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LIST OF LIGHTS AND FOG SIGNALS
ON THE ATLANTIC AND GULF COASTS
OF THE UNITED STATES

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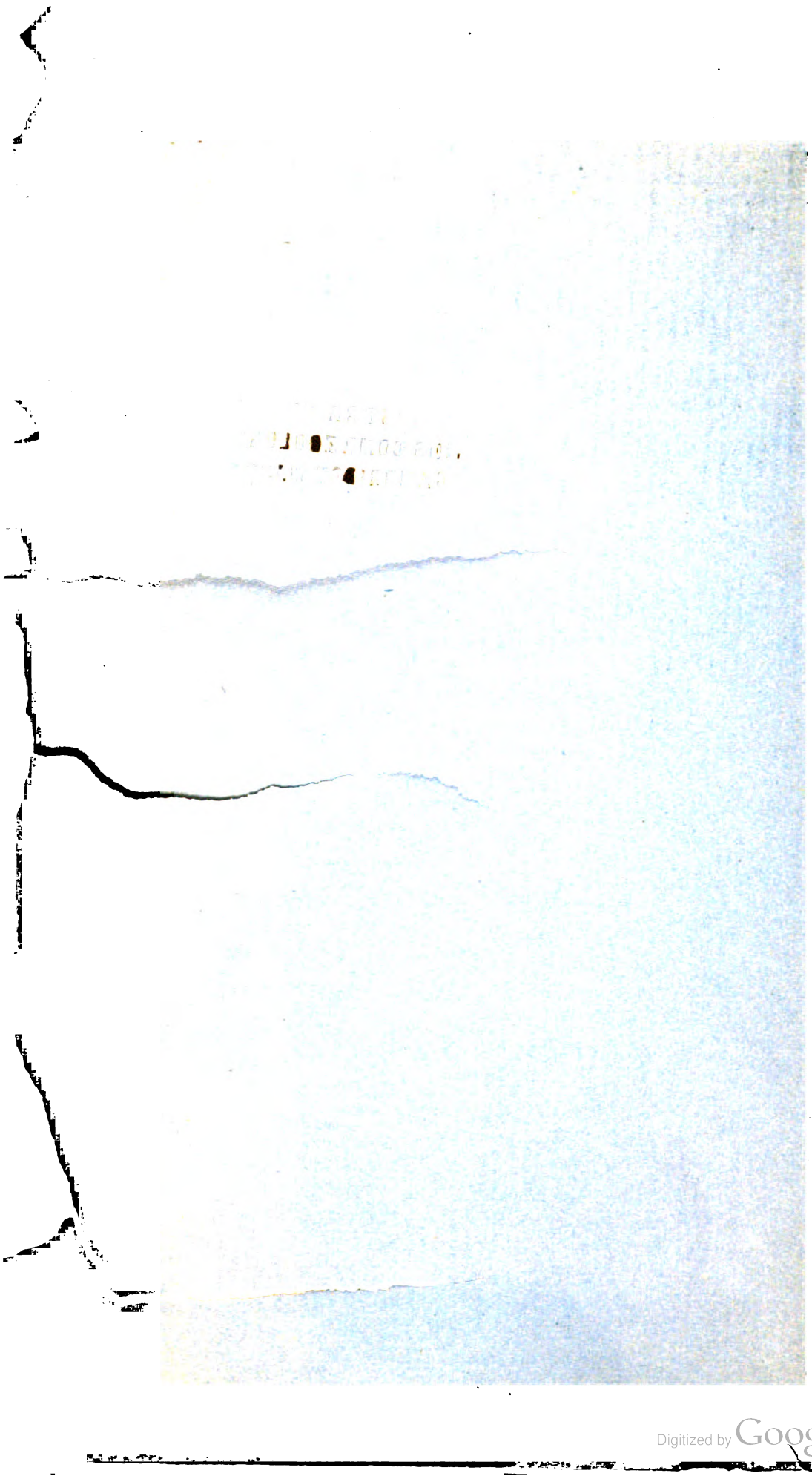

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A copy of this List will be sent free of charge to any shipmaster on application to the Office of the Light-House Board, Washington, D. C.

LIST

OF

LIGHTS AND FOG SIGNALS

ON THE

ATLANTIC AND GULF COASTS

OF THE

UNITED STATES.

CORRECTED TO JANUARY 1, 1894.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1894.

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LIST OF LIGHT-HOUSE DISTRICTS AND LOCAL OFFICERS.

FIRST DISTRICT.

Extends from the northeastern boundary of the United States to include Hampton Harbor, New Hampshire.

Covers the coasts of Maine and New Hampshire.

Inspector—GEORGE E. WINGATE, Commander, U. S. Navy, Custom-House, PORTLAND, ME.

Engineer—WILLIAM R. LIVERMORE, Major of Engineers, U. S. Army, Rooms 141 and 142, Post-Office Building, BOSTON, MASS.

SECOND DISTRICT.

Extends from Hampton Harbor, New Hampshire, to but does not include Elisha Ledge, off Warren Point, Rhode Island.

Covers the coast of Massachusetts, except a small portion of Narragansett Bay and Taunton River.

Inspector—FRANCIS M. GREEN, Commander, U. S. Navy, Post-Office Building, BOSTON, MASS.

Engineer—WILLIAM R. LIVERMORE, Major of Engineers, U. S. Army, Rooms 141 and 142, Post-Office Building, BOSTON, MASS.

THIRD DISTRICT.

Extends from Elisha Ledge, off Warren Point, Rhode Island, to a point on the coast opposite the mouth of the Shrewsbury River, New Jersey.

Covers the sea and sound coasts of Rhode Island, Connecticut, and New York, Narragansett and New York bays, Taunton, Providence, and Hudson rivers, Whitehall Narrows, and lakes Champlain and Memphremagog.

Inspector—WINFIELD S. SCHLEY, Captain, U. S. Navy, TOMPKINSVILLE, STATEN ISLAND, N. Y.

Engineer—DAVID P. HEAP, Major of Engineers, U. S. Army, TOMPKINSVILLE, STATEN ISLAND, N. Y.

FOURTH DISTRICT.

Extends from a point on the coast opposite the mouth of the Shrewsbury River, New Jersey, to include Metomkin Inlet, Virginia.

Covers the seacoast of New Jersey, below the Highlands of Navesink, the bay shores of New Jersey and Delaware, the seacoasts of Delaware and Maryland, and part of the seacoast of Virginia.

Inspector—GEORGE C. REITER, Commander, U. S. Navy, Post-Office Building, PHILADELPHIA, PA.

Engineer—FREDERICK A. MAHAN, Captain of Engineers, U. S. Army, Post-Office Building, PHILADELPHIA, PA.

FIFTH DISTRICT.

Extends from Metomkin Inlet, Virginia, to include New River Inlet, North Carolina.

Embraces part of the seacoasts of Virginia and North Carolina, all of Chesapeake Bay and tributaries, and the sounds of North Carolina, and the rivers tributary thereto.

Inspector—YATES STIRLING, Commander, U. S. Navy, Post-Office Building, BALTIMORE, MD.

Engineer—ERIC BERGLAND, Captain of Engineers, U. S. Army, Post-Office Building, BALTIMORE, MD.

SIXTH DISTRICT.

Extends from New River Inlet, North Carolina, to include Jupiter Inlet Light-Station, Florida

Covers part of the seacoast of North Carolina, the coasts of South Carolina and Georgia, part of the coast of Florida, and the Cape Fear, Savannah, St. Johns, and Indian rivers.

Inspector—M. R. S. MACKENZIE, Lieutenant-Commander, U. S. Navy, Brown's Wharf, CHARLESTON, S. C.

Engineer—ERIC BERGLAND, Captain of Engineers, U. S. Army, Post-Office Building, BALTIMORE, MD., and Southern Wharf, CHARLESTON, S. C.

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SEVENTH DISTRICT.

Extends from a point just south of Jupiter Inlet Light-Station to include the Perdido River, Florida.

Covers the sea and gulf coasts of Florida, except that from Jupiter Inlet Light-Station northward.

Inspector—WILLIAM B. NEWMAN, Commander, U. S. Navy, Navy-Yard, PENSACOLA, FLA.

Engineer—JAMES B. QUINN, Major of Engineers, U. S. Army, 63 Carondelet Street, NEW ORLEANS, LA.

EIGHTH DISTRICT.

Extends from the Perdido River, Florida, to the southern boundary of Texas.

Covers the gulf coasts of Alabama, Mississippi, Louisiana, and Texas, Mississippi Sound, Mobile, Atchafalaya, Galveston, and Matagorda bays, lakes Borgne and Pontchartrain, and the Mississippi River from its mouth to New Orleans, La.

Inspector—DENNIS W. MULLAN, Commander, U. S. Navy, 196 Gravier Street, NEW ORLEANS, LA.

Engineer—JAMES B. QUINN, Major of Engineers, U. S. Army, 63 Carondelet Street, NEW ORLEANS, LA.

NINTH DISTRICT.

Includes all aids to navigation on Lake Michigan, Green Bay, and tributary waters lying west of a line drawn across the Straits of Mackinac at a point just to the eastwaad of Old Mackinac Point Light-Station.

Inspector—JOHN J. BRICE, Commander, U. S. Navy, Room 1308, Chamber of Commerce Building, corner Washington and La Salle Streets, CHICAGO, ILL.

Engineer—MILTON B. ADAMS, Major of Engineers, U. S. Army, 18 Bagley Street, DETROIT, MICH.

TENTH DISTRICT.

Extends from the mouth of St. Regis River, New York, to the mouth of the River Rouge, Michigan.

Covers the United States shores and waters of lakes Erie and Ontario, and the St. Lawrence, Niagara, and lower part of Detroit rivers.

Inspector—JAMES G. GREEN, Commander, U. S. Navy, Post-Office Building, corner Washington and Seneca Streets, BUFFALO, N. Y.

Engineer—JARED A. SMITH, Lieutenant-Colonel of Engineers, U. S. Army, Hikok Building, 185 Euclid Avenue, corner of Erie Street, CLEVELAND, OHIO.

ELEVENTH DISTRICT.

Extends from the mouth of the river Rouge to the head of Lake Superior.

Covers the United States shores and waters of the Detroit River above the mouth of river Rouge, and of lakes St. Clair, Huron, and Superior, part of the Straits of Mackinac, and the river St. Mary.

Inspector—WILLIAM W. MEAD, Commander, U. S. Navy, 80 Griswold Street, DETROIT, MICH.

Engineer—MILTON B. ADAMS, Major of Engineers, U. S. Army, 18 Bagley Street, DETROIT, MICH.

TWELFTH DISTRICT.

Extends from the southern boundary of California to the southern boundary of Oregon.

Covers the seacoast of California and San Francisco and San Pablo bays.

Inspector—HENRY E. NICHOLS, Commander, U. S. Navy, Rooms 77 and 79, Appraiser's Building, SAN FRANCISCO, CAL.

Engineer—WILLIAM H. HEUER, Major of Engineers, U. S. Army, Room 89, Flood Building, SAN FRANCISCO, CAL.

THIRTEENTH DISTRICT.

Extends from the southern boundary of Oregon to British Columbia.

Covers the seacoast of Oregon and Washington, Puget Sound, Columbia River, and the American shores and waters of the Strait of Juan de Fuca.

Inspector—OSCAR W. FARENHOLT, Commander, U. S. Navy, corner Third and Washington Streets, PORTLAND, OREGON.

Engineer—JAMES C. POST, Major of Engineers, U. S. Army, 73 Fourth Strret, PORTLAND, OREGON.

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FOURTEENTH DISTRICT.

Extends from Pittsburg, Pa., to Cairo, Ill., and includes all aids to navigation on the Ohio, Kanawha, and Tennessee rivers.

Inspector—FREDERICK W. CROCKER, Lieutenant-Commander, U. S. Navy, Post-Office Building, CINCINNATI, OHIO.

Engineer—AMOS STICKNEY, Lieutenant-Colonel of Engineers, U. S. Army, Custom-House, CINCINNATI, OHIO.

FIFTEENTH DISTRICT.

Extends on the Mississippi River from the head of navigation to Cairo, Ill., on the Missouri River to Kansas City, and on the Illinois River to La Salle, and includes all aids to navigation within those limits.

Inspector—WILLIAM C. WISE, Commander, U. S. Navy, New Custom-House, ST. LOUIS, MO.

Engineer—CHARLES R. SUTER, Lieutenant-Colonel of Engineers, U. S. Army, 1515 Lucas Place, ST. LOUIS, MO.

SIXTEENTH DISTRICT.

Extends on the Mississippi River from Cairo, Ill., to New Orleans, La., and on the Red River a distance of 9 miles, and includes all aids to navigation within those limits.

Inspector—ANDREW J. IVERSON, Commander, U. S. Navy, Custom-House, MEMPHIS, TENN.

Engineer—CHARLES R. SUTER, Lieutenant-Colonel of Engineers, U. S. Army, 1515 Lucas Place, ST. LOUIS, MO.

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TO MARINERS.

TREASURY DEPARTMENT,
OFFICE OF THE LIGHT-HOUSE BOARD, *Washington, D. C.*

Mariners and others interested in commerce and the preservation of life and property from loss by shipwreck on the coasts of the United States are earnestly requested to give prompt information to the district inspectors, or engineers, or by direct communication to the Light-House Board, of all cases of injury to or unsatisfactory condition or service of any aid to navigation, or of the necessity for additional aids, and of all cases in which lights are not exhibited punctually at sunset and extinguished at sunrise, when they are not properly attended to during the night, when floating aids are out of position, and of all cases in which the published instructions are not strictly complied with, that the Board may, with as little delay as possible, apply the proper remedy, and prevent neglect of duty on the part of persons connected with the aids to navigation of the United States.

NOTES.

The lights of the United States in this list are arranged as nearly as possible in their regular geographical order from East to West, commencing at the first light nearest to the northeastern boundary, and following the seacoast to the entrances to the sounds, bays, rivers, etc. The lights of each estuary are arranged in regular order from the sea to the head of navigation under separate references; after which the next seacoast light will be found in the order. In some instances seacoast lights have been repeated for convenience of reference.

The names of the lights are printed as follows, viz:

1st. PRIMARY SEACOAST LIGHTS.

2d. SECONDARY SEACOAST LIGHTS AND LAKE-COAST LIGHTS.

3d. *Light-vessels.*

4th. Sound, bay, river, and harbor lights.

The geographical positions of lights are furnished by the United States Coast and Geodetic Survey. Those which are uncertain by some seconds, not having yet been accurately determined, and those of light-vessels which vary somewhat in position, have the seconds inclosed thus: 30° 45′ (57″).

In the column "Characteristic of light" the time interval of flashing lights is given from the beginning of one flash to the beginning of the next following flash.

In the column "Distance visible, in nautical miles," will be found the distances within which the lights can be seen, under ordinary conditions of the atmosphere, the height of the light being measured from mean high water (excepting in the Third and Fourth Light-House Districts) and the eye of the observer taken at an elevation of fifteen feet above sea level.

In the majority of cases the given distances are *geographical* ranges, computed from the table and formula on page 7. In the cases in which the given distances are smaller than would be found by computation, *luminous* ranges have been substituted for *geographical* ranges, because the lights (principally the lower orders of *fixed red* lights) are not of sufficient power to be seen, under ordinary atmospheric conditions, to the limit of their geographical range.

Distances are given in *nautical miles.*

Bearings and courses given are *magnetic.*

Bearings relating to the visibility of lights are given from *seaward.*

Depths are referred to *mean low water.*

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Table of elevations of objects above sea level with their corresponding distances of visibility.

Height, in feet.	Distance, in nautical miles.	Height, in feet.	Distance, in nautical miles.	Height, in feet.	Distance, in nautical miles.
5	2.555	70	9.562	250	18.070
10	3.614	75	9.897	300	19.795
15	4.426	80	10.222	350	21.381
20	5.111	85	10.536	400	22.857
25	5.714	90	10.842	450	24.244
30	6.260	95	11.139	500	25.555
35	6.761	100	11.428	550	26.802
40	7.228	110	11.986	600	27.994
45	7.666	120	12.519	650	29.137
50	8.081	130	13.030	700	30.237
55	8.476	140	13.522	800	32.325
60	8.852	150	13.997	900	34.286
65	9.214	200	16.162	1,000	36.140

The distances of visibility given in the above table are those from which an object may be seen by an observer whose eye is at the sea level; in practice, therefore, it is necessary to add to these a distance of visibility corresponding to the height of the observer's eye above sea level.

EXAMPLE.—Sandy Hook Light seen just at the horizon, what, under ordinary conditions of the atmosphere, is its distance from the observer?

Height (according to List of Lights and Fog-Signals), 90 feet, distance visible (according to table) ..... 10.84 nautical miles.
Add distance corresponding to height of observer's eye above sea level, 15 feet ..... = 4.43 " "
Distance of light ..... 15.27 " "

Distances corresponding to heights not included in the above table may be found by the formula $D = \frac{8}{7}\sqrt{H}$, in which H = the elevation, or height, in feet, of the object above sea level, and D = the corresponding distance of visibility, in nautical miles. The formula is based on the mean curvature of the earth and is corrected for ordinary atmospheric refraction.

The distance of visibility of a light may be augmented by abnormal atmospheric refraction, which usually increases with the height of the barometer and a falling temperature.

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LAWS FOR THE PROTECTION OF AIDS TO NAVIGATION.

UNITED STATES.

REVISED STATUTES.

SEC. 5358. * * * * * * *

Every person who holds out or shows any false light, or extinguishes any true light, with intent to bring any vessel, sailing upon the sea, into danger or distress, or shipwreck, shall be punished by a fine of not more than five thousand dollars, and imprisoned at hard labor not more than ten years.

AN ACT making appropriations for the construction, repair, preservation, and completion of certain public works on rivers and harbors, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, * * * * * * * *

SEC. 3. * * * * * * * * *

Any person who shall wilfully and unlawfully injure any pier, breakwater, or other work of the United States for the improvement of rivers or harbors, or navigation in the United States shall, on conviction thereof, be punished by a fine not exceeding one thousand dollars.

Approved August 14, 1876.

RULES AND REGULATIONS RELATING TO THE ANCHORAGE OF VESSELS IN THE PORT OF NEW YORK.

TREASURY DEPARTMENT, *July* 5, 1889.

The following-described anchorage grounds for vessels in the bay and harbor of New York, and in the Hudson and East Rivers, are hereby defined and established, and the following Rules and Regulations in relation thereto are hereby adopted and published for the government of the owners, masters, or persons in charge of any vessel in the port of New York, pursuant to the act of Congress approved May 16, 1888, as follows:

AN ACT relating to the anchorage of vessels in the port of New York.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the Secretary of the Treasury is authorized, empowered, and directed to define and establish an anchorage ground for vessels in the bay and harbor of New York, and in the Hudson and East Rivers, to adopt suitable rules and regulations in relation thereto, and to take all necessary measures for the proper enforcement of such rules and regulations.

SEC. 2. That in the event of the violation of any such rules or regulations by the owner, master, or person in charge of any vessel, such owner, master, or person in charge of such vessel shall be liable to a penalty of one hundred dollars, and the said vessel may be holden for the

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payment of such penalty, and may be seized and proceeded against summarily by libel for the recovery of the same in any United States district court for the district within which such vessel may be, and in the name of the officer designated by the Secretary of the Treasury.

SEC. 3. That this act shall take effect immediately.

Approved, May 16, 1888.

CIRCULAR.

THE ANCHORAGE OF VESSELS IN THE PORT OF NEW YORK.

* * * * * * *

SANDY HOOK BAY ANCHORAGE.

18. Vessels may anchor to the southward of a line extending from East Beacon to Bayside Beacon (Point Comfort), provided they do not impede the movements of vessels in getting to and from the piers.

In order to prevent injury to the submarine cables which will be used for the lighting of Gedney Channel Buoys, vessels are forbidden to anchor when the East Beacon Light-House bears anywhere between the compass bearings of WSW. $\frac{1}{2}$ W. and SW. by W. $\frac{3}{4}$ W. from the vessel, unless the said vessel is to the northward of the northern line of buoys of Gedney Channel.

* * * * * * *

All officers of revenue vessels at the port of New York are charged with the enforcement of these rules and regulations, and are empowered to remove from her anchorage any vessel not anchored within the limits hereby prescribed.

WILLIAM WINDOM,
Secretary of the Treasury.

MAINE.

REVISED STATUTES 1883—CHAPTER 127.

SEC. 8. * * * Whoever moors a vessel, boat, scow, or raft, to any buoy or beacon, placed by the United States in any of the navigable waters of the State, or in any manner makes the same fast thereto, forfeits fifty dollars; and whoever wilfully destroys any such buoy or beacon shall forfeit one hundred dollars, and be imprisoned for three months. Said forfeitures may be recovered by complaint or action of debt; half to the plaintiff or informer, and half to the county in which the trial is had.

MASSACHUSETTS.

AN ACT to protect the beacons, buoys, and floating guides on the coast of Massachusetts, and in the rivers, harbors, and channels in said State.

Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows:

SECTION 1. Any person or persons who shall moor any vessel, scow, boat, or raft, to any buoy or beacon or floating guide, placed by the United States in the navigable waters of this Common-

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wealth, or who shall in any manner make fast thereto any vessel, boat, scow, or raft, shall forfeit and pay a sum not exceeding fifty dollars; and any person or persons who shall willfully destroy, injure, or remove any such beacon or guide, shall forfeit and pay a sum not exceeding one hundred dollars, or be imprisoned in the common jail not exceeding three months.

SEC. 2. Said forfeitures may be recovered by an action of tort, complaint, or indictment before any court competent to try the same; one-third accruing to the informer or complainant, and the other two-thirds to the county in which the trial shall be had.

Approved March 5, 1860.

RHODE ISLAND.

[*From the "Public Laws" of Rhode Island, as revised and published in* 1844.]

AN ACT for the preservation of stakes and buoys within the waters of this State, and for other purposes.

SECTION 1. No vessel or raft to be made fast to any stake or buoy placed by the United States in Narragansett Bay, north of Kinnimicut Point, or in Providence or Warren Rivers; penalty not more than ten dollars nor less than three dollars.

SEC. 2. No vessel or raft to be made fast to the buoy south of Kinnimicut Point, the stakes on that point, the flag-staff on Half-Way Rock, stakes at the mouth of Bristol Harbor, or to any moorings of said buoy, under a penalty of not more than twenty dollars nor less than five dollars.

SEC. 3. Captain and owner of any vessel injuring the buoys at the north or south end of Goat Island, at the entrance of Bristol Harbor, or other buoys south of Kinnimicut Point, or stakes on that point, or the chains or anchors by which they are moored, liable to a penalty of not more than thirty-six dollars nor less than twelve dollars.

It is enacted by the General Assembly as follows:

SECTION 1. Each and every owner and each and every person having charge of any vessel, scow, boat, or raft of any kind, which shall be hereafter made fast to any stake or buoy which hath been or shall be placed at the expense of the United States, for the security and direction of vessels, either in Providence River or in any part of Narragansett Bay, or the waters thereof north of Kinnimicut Point, or in Warren River, and each and every person who shall in any way injure or destroy any of the said stakes and buoys as placed aforesaid, shall forfeit and pay a sum not exceeding ten dollars nor less than three dollars, to be recovered by an action of debt, two-thirds thereof to the use of the United States, in order to replace such stake or buoy, and the other third to the informer who shall prosecute for the same. For any offence aforesaid, committed in Providence River, or in any part of Narragansett Bay, or the waters thereof north of Kinnimicut Point, the action may be tried and determined before any justice of the peace in the county of Providence or Kent, and the part of the forfeiture belonging to the United States as aforesaid for such offence shall be paid to the collector of the district of Providence; and for any offence aforesaid committed in Warren River, the action may be tried and determined before any justice of the peace in the county of Bristol, and the part of the forfeiture belonging to the United States as aforesaid for such offence shall be paid to the collector of the district of Bristol, and all forfeitures that may accrue under this section shall be prosecuted for within the term of six months after they shall accrue.

SEC. 2. Every person who shall make fast any ship, vessel, scow, boat, or raft of any kind, to the buoy on the shoal south of Kinnimicut, or to the stakes on said point, or to the flag-staff on the Half-Way Rock, or to any stake which has been or may be placed at the mouth of Bristol Harbor, or to any of the moorings of said buoys, and the master or owner of such ship, vessel, scow, boat, or raft, shall forfeit and pay a sum not exceeding twenty dollars nor less than five dollars, to be recovered by action of debt before any justice of the peace in the county of Kent, Bristol, or Providence; one-third thereof to and for the use of the person who shall sue and prosecute for the same, and the other two-thirds to be paid to the collector of the customs within whose district the offence shall be committed, for the use of the United States.

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SEC. 3. The captain, owner, or owners of every ship or vessel that shall by running against either of the buoys at the north or south ends of Goat Island, or at the entrance of Bristol Harbor, near Castle Island, or shall otherwise injure the beacon on said island or any other buoy placed, or hereafter to be placed at the expense of the United States, in any of the waters of the Narragansett Bay, south of Kinnimicut Point, or the stakes on said point, or in any way injure, destroy, or remove the chains or anchors by which they are or shall be moored, shall forfeit and pay a sum not exceeding thirty-six dollars, nor less than twelve dollars, to be recovered by an action of debt before any court proper to try the same in the county of Kent or Newport; to be distributed, paid, and appropriated in the manner hereinbefore pointed out.

CONNECTICUT.

[GENERAL STATUTES, REVISION OF 1888—SECTION 3250.]

Every person who shall moor any boat or vessel of any kind or name whatsoever, or any raft or part of a raft to any buoy, beacon, or floating guide placed in the waters of this State by authority of the United States Light-House Board, or shall in any manner make fast thereto any boat, vessel, raft, or part of a raft, unless his life or the safety of the vessel in which he is is endangered by the perils of the sea, or shall wilfully remove, damage, or destroy any such buoy, beacon, or floating guide, or shall cut down, remove, or destroy any beacon erected on land in this State by said authority, shall forfeit not more than two hundred nor less than twenty-five dollars, one-half to him who shall sue therefor, and one-half to the State.

NEW YORK.

[AS AMENDED BY LAWS OF 1858—CHAPTER 226.]

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

* * * * * * * * * * * * *

SEC. 12. Any person mooring any vessel to any of the buoys or beacons placed in the harbor of New York by the United States Light-House Board, or in any manner hanging on with a boat or vessel to any such buoy or beacon in said harbor, shall forfeit and pay to the commissioners of the port the sum of fifty dollars for every offense; and any person who shall wilfully remove any such buoy or beacon shall be deemed guilty of a misdemeanor, and in addition to the punishment which may be therefor inflicted, he shall forfeit and pay to the said commissioners the sum of two hundred and fifty dollars for every offense.

NEW JERSEY.

[SENATE No. 320.]

AN ACT for the protection of buoys and beacons.

1. *Be it enacted by the Senate and General Assembly of the State of New Jersey*, That any person or persons who shall moor any vessel or vessels of any kind or name whatsoever, or any raft or part of a raft, to any buoy or beacon placed in the waters of New Jersey by the authority of the United States Light-House Board, or shall in any manner hang on with any vessel or raft, or part

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of a raft, to any such buoy or beacon, or shall wilfully remove, damage, or destroy any such buoy or beacon or shall cut down, remove, damage, or destroy any beacon or beacons erected on land in this State by the authority of the said United States Light-House Board, shall, for every such offence, be deemed guilty of a misdemeanor, and upon conviction thereof, before any court of competent jurisdiction, shall be punished by a fine not to exceed two hundred dollars, or by imprisonment not to exceed three months; one-third of the fine in each case shall be paid to the informer, and two-thirds thereof to the Light-House Board, to be used in the repairing the said buoys and beacons.

2. *And be it enacted*, That the cost of repairing or replacing any such buoy or beacon which may have been misplaced, damaged, or destroyed by any vessel or raft whatsoever, having been made fast to any such buoy or beacon, shall, when the same shall be legally ascertained, be a lien upon any such vessel or raft, and may be recovered, against said vessel or raft, and the owner or owners thereof, in an action of debt in any court of competent jurisdiction in this State.

3. *And be it enacted*, That this act shall take effect immediately.

Approved, April 3, 1873.

PENNSYLVANIA.

AN ACT for the protection of the aids to navigation established by the authority of the United States Light-House Board within the State of Pennsylvania.

Be it enacted by the General Assembly of the State of Pennsylvania:

SECTION 1. That any person or persons who shall moor any vessel or vessels of any kind or name whatsoever, or any raft or any part of a raft, to any buoy, beacon, or day-mark, placed in the waters of Pennsylvania by the authority of the United States Light-House Board, or shall in any manner hang on with any vessel, or raft, or part of a raft, to any such buoy, beacon, or day-mark, or shall wilfully remove, damage, or destroy any such buoy, beacon or day-mark, or shall cut down, remove, damage, or destroy any beacon or beacons erected on lands in this State by the authority of the said United States Light-House Board, or having, through unavoidable accident, run down, dragged from its position, or in any way injured any buoy, beacon, or day-mark, as aforesaid, and shall fail to give notice, as soon as practicable of having done so, to the Light-House Inspector of the district in which said buoy, beacon, or day-mark may be located, or to the board of wardens for the port of Philadelphia, shall, for every such offence, be deemed guilty of a misdemeanor, and, upon conviction thereof, before any court of competent jurisdiction, shall be punished by a fine not to exceed two hundred dollars, or imprisonment not to exceed three months, or both, at the discretion of the court; one-third of the fine in each case shall be paid to the informer and two-thirds thereof to the Light-House Board, to be used in repairing the said buoys or beacons.

SEC. 2. It shall be unlawful for any vessel to anchor on the range-line of any range-lights established by the United States Light-House Board in this State, and the master of any vessel so anchoring shall be deemed guilty of a misdemeanor, and, upon conviction thereof, before any court of competent jurisdiction, shall be punished by a fine not to exceed fifty dollars, one-half of the fine in each case to be paid to the informer and one-half to the State.

SEC. 3. The cost of repairing or replacing any such buoy, beacon, or day-mark, which may have been misplaced, damaged, or destroyed by any vessel or raft whatsoever, having been made fast to any such buoy, beacon, or day-mark, shall, when the same shall be legally ascertained, be a lien upon such vessel or raft, and may be recovered against said vessel or raft, and the owner or owners thereof, in an action of debt, in any court of competent jurisdiction in this State.

SEC. 4. This act shall take effect immediately.

proved, May 13, 1879.

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DELAWARE.

AN ACT for the protection of the aids to navigation established by the authority of the United States Light-House Board within the State of Delaware.

SECTION 1. *Be it enacted by the Senate and House of Representatives of the State of Delaware in General Assembly met, and it is hereby enacted by the authority of the same,* That any person or persons who shall moor any vessel, or vessels of any kind or name whatsoever, or any raft or any part of a raft, to any buoy or beacon or day-mark placed in the waters of Delaware by the authority of the United States Light-House Board, or shall in any manner hang on with any vessel or raft, or part of a raft, to any such buoy, beacon, or day-mark, or shall wilfully remove, damage, or destroy any such buoy, beacon, or day-mark, or shall cut down, remove, damage, or destroy any beacon or beacons erected on land in this State by the authority of the said United States Light-House Board, or having, through unavoidable accident, run down, dragged from its position, or in any way injured any buoy, beacon, or day-mark, as aforesaid, and shall fail to give notice, as soon as practicable, of having done so, to the light-house inspector of the district in which said buoy, beacon, or day-mark may be located, shall, for every such offence, be deemed guilty of a misdemeanor, and, upon conviction thereof, before any court of competent jurisdiction, shall be punished by a fine not to exceed two hundred dollars or by imprisonment not to exceed three months; one-third of the fine in each case shall be paid to the informer, and two-thirds thereof to the Light-House Board, to be used in repairing the said buoys or beacons.

SEC. 2. It shall be unlawful for any vessel to anchor on the range-line of any range-lights established by the United States Light-House Board in this State, and the master of any vessel so anchoring shall be deemed guilty of a misdemeanor, and, upon conviction thereof, before any court of competent jurisdiction, shall be punished by a fine not to exceed fifty dollars; one-half of the fine in each case to be paid to the informer and one-half to the State.

SEC. 3. The cost of repairing or replacing any such buoy, beacon, or day-mark, which may have been misplaced, damaged, or destroyed by any vessel or raft whatsoever having been made fast to any such buoy, beacon, or day-mark, shall, when the same shall be legally ascertained, be a lien upon such vessel or raft, and may be recovered against such vessel or raft, and the owner or owners thereof, in an action of debt in any court of competent jurisdiction in this State.

SEC. 4. This act shall take effect immediately.

Passed at Dover, March 26, 1879.

MARYLAND.

AN ACT for the protection of the aids to navigation established by the authority of the United States Light-House Board within the State of Maryland.

SECTION 1. *Be it enacted by the General Assembly of the State of Maryland,* That any person or persons who shall moor any vessel or vessels of any kind or name whatsoever, or any raft or any part of a raft, to any buoy, beacon, or day-mark, placed in the waters of Maryland by the authority of the United States Light-House Board, or shall in any manner hang on with any vessel or raft, or any part of a raft, to any such buoy, beacon, or day-mark, or shall wilfully remove, damage, or destroy any such buoy, beacon, or day-mark, or shall cut down, remove, damage, or destroy any beacon or beacons erected on land in this State by the authority of the said United States Light-House Board, or, through unavoidable accident, run down, drag from its position, or in any way injure any buoy, beacon, or day-mark as aforesaid, and shall fail to give notice as soon as practicable of having done so to the light-house inspector of the district in which such buoy, beacon, or day-mark may be located, or to the collector of the port, or, if in charge of a pilot, to

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the collector of the port from which he comes, shall, for every such offense, be deemed guilty of a misdemeanor, and, upon conviction thereof before any court of competent jurisdiction, shall be punished by a fine not to exceed two hundred dollars, or by imprisonment not to exceed three months, or both, at the discretion of the court; one-third of the fine in each case shall be paid to the informer, and two-thirds thereof to the Light-House Board, to be used in repairing the said buoys and beacons.

SEC. 2. *Be it enacted*, That it shall be unlawful for any vessel to anchor on the range-line of any range-lights established by the United States Light-House Board in this State, unless such anchorage is unavoidable, and the master of any vessel so anchoring shall be deemed guilty of a misdemeanor, and, upon conviction thereof before any court of competent jurisdiction, shall be punished by a fine not to exceed fifty dollars; one-half of the fine in each case to be paid to the informer, and one-half to the State.

SEC. 3. *And be it enacted*, That the cost of repairing or replacing any such buoy, beacon, or day-mark which may have been misplaced, damaged, or destroyed by any vessel or raft whatsoever, having been made fast to any such buoy, beacon, or day-mark, shall, when the same shall be legally ascertained, be a lien upon such vessel or raft, and may be recovered against said vessel or raft, and the owner or owners thereof, in an action of debt in any court of competent jurisdiction in this State.

SEC. 4. *And be it enacted*, That this act shall take effect immediately.

Approved, March 3, 1882.

AN ACT to repeal chapter 405 of the Acts of the General Assembly of Maryland, passed at the January session, 1870 entitled "An act to protect the Craighill Channel at the mouth of the Patapsco River," and re-enact said act with amendments so as to provide for the protection of the Craighill Channel and the cut-off between the Brewerton and Craighill channels at the mouth of the Patapsco River.

SECTION 1. *Be it enacted by the General Assembly of Maryland*, That chapter 405 of the acts of the General Assembly of Maryland, passed at the January session in 1870, entitled "An act to protect the Craighill Channel at the mouth of the Patapsco River," be and the same is hereby repealed and re-enacted so as to read as follows: That any person or persons dragging, raking, or dredging for oysters within five hundred yards of either edge of the new channel at the mouth of the Patapsco River known as the "Craighill Channel" extending from the Seven-foot Knoll to the mouth of the Magothy River, or within five hundred yards of either edge of the cut-off connecting the Brewerton and Craighill channels, shall forfeit his or their boat or vessel, and it shall be lawful for any justice of the peace of the county or city in which such person or persons shall be arrested to try such person or persons, and on conviction to condemn said boat or vessel, and sell the same on five days' notice, and fine the said offender or offenders a sum not less than five dollars nor more than twenty-five dollars for each and every offence, and the said justice of the peace shall pay over one-half of said fines and forfeitures to the informer, and the other half to the school board of said county or city.

SEC. 2. *And be it enacted*, That this act shall take effect from the date of its passage.

Approved, February 17, 1882.

VIRGINIA.

AN ACT for the protection of aids to navigation, established by the authority of the U. S. Light-House Board within the State of Virginia.

1. *Be it enacted by the general assembly of Virginia*, That any person or persons who shall moor any vessel or vessels of any kind or name whatsoever, or any raft or any part of a raft to any buoy, beacon, or day-mark placed in the waters of Virginia by the authority of the United States

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Light-House Board, or shall in any manner hang on with any vessel or raft, or any part of a raft, to any such buoy, beacon, or day-mark, or shall willfully remove, damage, or destroy any such buoy, beacon, or day-mark, or shall cut down, remove, damage, or destroy any beacon or beacons erected on land in this State by the authority of the said United States Light-House Board, or through unavoidable accident, run down, drag from its position, or in any way injure any buoy, beacon, or day-mark as aforesaid, and shall fail to give notice as soon as practicable of having done so to the light-house inspector of the district in which said buoy, beacon, or day-mark may be located, or to the collector of the port, or if in charge of a pilot to the collector of the port from which he comes, shall for every such offence be deemed guilty of a misdemeanor, and upon conviction thereof before any court of competent jurisdiction, shall be punished by a fine not to exceed two hundred dollars, or by imprisonment not to exceed three months, or both, at the discretion of the court; one-third of the fine in each case shall be paid to the informer, and two-thirds thereof to the Light-House Board to be used in repairing the said buoys and beacons.

2. That it shall be unlawful for any vessel to anchor on the range of any range-lights established by the United States Light-House Board, unless such anchorage is unavoidable, and the master of any vessel so anchoring shall be deemed guilty of a misdemeanor, and upon conviction thereof before any court of competent jurisdiction, shall be punished by a fine not to exceed fifty dollars; one-half of the fine in each case to be paid to the informer, and one-half to the State.

3. That the cost of repairing or replacing any such buoy, beacon, or day-mark which may have been misplaced, damaged, or destroyed by any vesssel or raft whatsoever having been made fast to any such buoy, beacon, or day-mark, shall, when the same shall be legally ascertained, be a lien upon such vessel or raft, and may be recovered against said vessel or raft, and the owner or owners thereof in an action of debt in any court of competent jurisdiction in this State.

4. Any person having charge of any raft passing any buoy, beacon, or day-mark which shall not exercise due diligence in keeping clear of it, or if unavoidably fouling it, shall not exercise due diligence in clearing itself without dragging from its position such buoy, beacon, or day-mark, shall be guilty of a misdemeanor, and upon conviction shall be punished by fine not to exceed fifty dollars.

5. That this act shall be in force from and after its passage.

Approved, May 21, 1887.

NORTH CAROLINA.

AN ACT for the protection of the aids to navigation established by the authority of the United States Light-House Board within the State of North Carolina.

The General Assembly of North Carolina do enact:

SECTION 1. That any person who shall moor any vessel of any kind or name whatsoever, or any raft or any part of a raft, to any buoy, beacon, or day-mark placed in the waters of North Carolina by the authority of the United States Light-House Board, or shall in any manner hang on with any vessel or raft or part of a raft to any such buoy, beacon, or day-mark, or shall willfully remove, damage, or destroy any such buoy, beacon, or day-mark, or shall cut down, remove, damage, or destroy any beacon erected on land in this state by the authority of the United States Light-House Board, or through unavoidable accident run down, drag from its position, or in any way injure any buoy, beacon, or day-mark, as aforesaid, and shall fail to give notice as soon as practicable of having done so to the light-house inspector of the district in which said buoy, beacon, or day-mark may be located, or to the collector of the port, or, if in charge of a pilot, to the collector of the port from which he comes, shall, for every such offence, be guilty of a misdemeanor, and shall be punished by a fine not to exceed two hundred dollars, or imprisoned not to exceed three months, or both, at the discretion of the court.

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SEC. 2. That it shall be unlawful for any vessel to anchor on the range line of any range of lights established by the United States Light-House Board, unless such anchorage is unavoidable, and the master of any vessel so anchoring shall be guilty of a misdemeanor, and shall be punished by a fine not to exceed fifty dollars.

SEC. 3. Any person having charge of any raft passing any buoy, beacon, or day-mark, which shall not exercise due diligence in keeping clear of it, or, if unavoidably fouling it, shall not exercise due diligence in clearing itself without dragging from its position such buoy, beacon, or day-mark, shall be guilty of a misdemeanor, and, upon conviction, shall be punished by fine not to exceed fifty dollars.

SEC. 4. That this act shall be in force from and after its ratification.

Ratified the 22d day of February, 1883.

FLORIDA.

CHAPTER 2.

AN ACT passed by the legislature of the State of Florida, for the protection of beacons and buoys.

SECTION 1. If any person or persons shall, maliciously or without authority, cut down, remove, or destroy any beacon or beacons, buoy or buoys, erected by any commission of pilotage, or by any other person or persons duly authorized for that purpose, he, she, or they shall, on conviction, be fined not exceeding one thousand dollars, or whipped not exceeding thirty-nine stripes, at the discretion of the jury.

Approved, July 28, 1847.

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LIST

OF

LIGHTS AND FOG SIGNALS ON THE ATLANTIC AND GULF COASTS

OF THE

UNITED STATES.

CORRECTED TO JANUARY 1, 1894.

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FIRST DISTRICT. MAINE.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
			° ′ ″				
1	Whitlocks Mill	At the edge of the S. bank of St. Croix River, about 2½ miles below Calais, Me., 500 feet above Whitlocks Mill and directly opposite Hills Point at the Narrows.	45 09 (47) 67 13 (41)	Fixed red	Tub'lar lantern.	29	.....
2	St. Croix River	On Dochet Island, opposite Red Beach, Me.	45 07 44 67 08 03	Fixed white, varied by a white flash every 30 sec.	5	74½	12½
3	Lubec Channel	About 1 mile to the southward of Lubec, on westerly edge of the dredged channel from Quoddy Roads to Lubec, Me.	44 50 32 66 58 39	Flashing white, every 15 sec.	5	52½	12½
4	WEST QUODDY HEAD	On SW. side of West Quoddy Head, SW. side of entrance to Quoddy Roads, Me.	44 48 55 66 57 04	Fixed white	3	83	14½
5	Little River	On Little River Island at the mouth of Little River (Cutler) Harbor, Me.	44 39 03 67 11 34	Fixed white, varied by a white flash every 90 sec.	5	57	13
6	AVERY ROCK	On Avery Rock, in Machias Bay, Me.	44 39 16 67 20 41	Fixed red	5	53½	8½
7	LIBBY ISLANDS	On SW. end of the southwesterly of the Libby Islands, entrance to Machais Bay, Me.	44 34 06 67 22 04	Fixed white	4	91	15½
8	MOOSE PEAK	On easterly point of Mistake Island, seacoast of Maine.	44 28 28 67 31 57	Flashing white, every 30 sec.	2	72	14
9	Moosabec Reach	On N. side of easterly entrance to the Reach, Me.	44 31 (46) 67 33 (56)	Fixed red	Lens lantern.	20	.....
10	NASH ISLAND	On W. side of island off the E. side of the mouth of Pleasant Bay, Me.	44 27 52 67 44 52	Fixed red	4	51½	11½
11	Narraguagus	On E. side of Pond Island, at the entrance to Narraguagus Bay, Me.	44 27 21 67 49 54	Fixed white	5	54	12½
12	PETIT MANAN	On E. point of Petit Manan Island, Me.	44 22 03 67 51 51	Fixed white, varied by a white flash every 2 minutes.	2	123	16
13	Prospect Harbor	On Prospect Harbor Point, Goulds-boro, on the eastern side of the entrance to the harbor, Me.	44 24 (12) 68 00 (48)	Flashing alternately red and white; interval between flashes, 30 sec.	5	41½	11½
14	Winter Harbor	On S. point of Mark Island, W. side of entrance to the harbor, Me.	44 21 41 68 05 18	Fixed white	5	37	11½
15	MOUNT DESERT	On Mount Desert Rock, about 20 miles to southward of Mount Desert Island, Me.	43 58 08 68 07 44	Fixed white	3	75	14½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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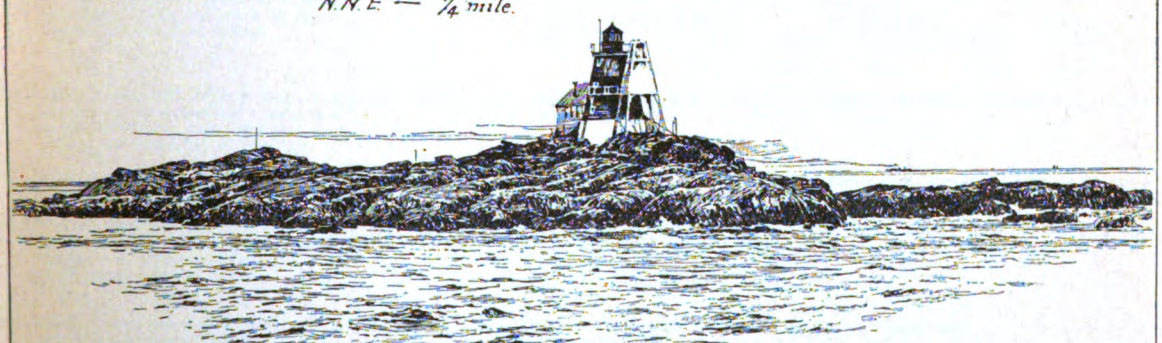
West Quoddy Head Light Station Me.
North ½ — ¼ mile.

Mount Desert Rock Light Station Me
S.E. by E - ¼ mile.

Saddleback Ledge Light Station Me.
N.N.E. — ¼ mile.



Matinicus Rock Light Station. Me
N.E. ½ E — ¾ mile.

N.L. Stebbins. Photo

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MAINE. FIRST DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
1	Lantern suspended from a pole	.....	1892	.....	.....	Mark Point (Canadian), ENE. ¼ E., nearly 1 mile. *Light maintained only during the season of navigation.*
2	Lantern on white dwelling	31	1857	.....	Bell struck by hand in answer to signals.	A guide to the entrance to St. Croix River.
3	Conical brown tower; lantern, black; on black cylindrical foundation pier expanding in trumpet-shape under main gallery; gallery covered by roof.	.....	1890	.....	Bell struck by machinery, every 10 sec.	Guide to Lubec Narrows.
4	Tower, painted with red and white horizontal stripes, and connected with a white dwelling by a workroom. A white brick fog-signal house, 80 feet SW., and a red brick oil house 210 feet NE. of tower.	42	1808	1858	10-inch steam whistle; blasts 8 sec.; silent intervals 52 sec. If whistle be disabled a bell will be rung by hand.	Whistle sounds thus: Blast, 8 sec.; Silent interval, 52 sec.; Blast, 8 sec.; Silent interval, 52 sec.
5	Brown tower, detached from white frame dwelling. White pyramidal bell tower, about 200 feet SSE.	35	1847	1876	Bell struck by machinery, every 30 sec.	A guide to Little River (Cutler) Harbor.
6	Square white tower, rising from middle of square white dwelling. Bell-tower and boathouse near by.	34	1875	.....	Bell struck by machinery, every 11 sec.	Libby Islands Light, SSW. ¾ W., 5¼ miles; Round Island, N. ¼ W., 1 mile.
7	Conical, gray granite tower, detached from white dwelling and rain shed. White fog-signal house on S. point of island, and a red brick oil house about 100 feet N. of tower.	36	1822	.....	10-inch steam whistle; blasts 2 sec., silent intervals of 13 sec. (*After February* 10, 1894.)	A guide to Machias Bay and to the entrance to Englishman Bay from the eastward. Whistle sounds thus: Blast, 2 sec.; Silent interval, 13 sec.; Blast, 2 sec.; Silent interval, 13 sec.
8	White tower, with brick annex and a covered way extending nearly to a white dwelling. Red brick oil house about 250 feet NW. of dwelling.	45½	1826	.....	Hand bell rung in answer to signals.	Guide to western entrance of Englishman Bay and to Head Harbor.
9	Lantern suspended from red iron spindle.	.....	1891	.....	.....	Guide to Moosabec Reach. *Light maintained only during the season of navigation.*
10	Square white tower and dwelling, connected by a porch and workroom. A pyramidal bell tower at NW. side of tower.	29½	1838	1873	Bell struck by machinery, a double and a single blow, alternately, with intervals of 20 sec.	A guide to Pleasant River, Cape Split Harbor, and the western entrance to Moosabec Reach.
11	White tower, connected with white dwelling by a workroom.	30¾	1853	.....	Bell struck by hand in answer to signals.	Guide to Narraguagus Bay.
12	Gray granite tower, with cluster of white buildings near. White fog-signal house on the S. point of the island.	107	1817	1855	10-inch steam whistle, blasts 5 sec., alternate silent intervals of 8 and 42 sec. If whistle be disabled, a bell will be rung by hand.	Whistle sounds thus: Blast, 5 sec.; Silent interval, 8 sec.; Blast, 5 sec.; Silent interval, 42 sec.
13	White, conical, shingled tower, 25 feet S. from a white dwelling.	31½	1848	1891	Hand bell rung in answer to signals.	In running for the harbor bring the light to bear N. ¼ E.
14	White tower and dwelling, connected by workroom and porch.	19	1856	.....	Hand bell rung in answer to signals.	Guide to Winter and Mosquito harbors.
15	Conical, gray granite tower. Two white dwellings near. Pyramidal skeleton bell-tower, about 275 feet SSW. of tower.	51	1830	1857	3d-class Daboll trumpet, blast 7 sec, silent intervals 40 sec. If trumpet be disabled, a bell will be rung by hand.	About 26 miles from Petit Manan Light, and 34 miles from Matinicus Rock Lights. Trumpet sounds thus: Blast, 7 sec.; Silent interval, 40 sec.; Blast, 7 sec.; Silent interval, 40 sec.

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FIRST DISTRICT. MAINE.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
			° ′ ″				
16	EGG ROCK	On Egg Rock, Frenchman Bay, Me	44 21 (15) 68 08 (19)	Fixed red	5	64	8¼
17	Crabtree Ledge	On Crabtree Ledge, Frenchman Bay, about ¼ mile off easterly shore of Crabtree Neck, Me.	44 28 20 68 13 18	Fixed white, varied by a white flash every 2 minutes.	5	48½	12¼
18	BAKER ISLAND	About the center of Baker Island, off Mount Desert Island, and southwesterly of the entrance to Frenchman Bay, Me.	44 14 29 68 11 58	Fixed white, varied by a white flash every 90 sec.	4	105	16
19	GREAT DUCK ISLAND	On southerly extremity of Great Duck Island, Me.	44 08 32 68 14 47	Flashing red every 10 sec.	5	66½	13¼
20	Bear Island	On one of the Cranberry Islands, SE. of the entrance to Northeast Harbor, Me.	44 17 (00) 68 16 (14)	Fixed white	5	99½	12¼
21	Bass Harbor Head	East side of entrance to Bass Harbor, Me	44 13 19 68 20 16	Fixed red	5	56	8¼
22	Burnt Coat Harbor	On Hockamock Head, SW. side of Swan Island, Me.	44 08 03 68 26 52	Fixed white	4	75	14¼
23	Blue Hill Bay	On Green Island, W. side of Blue Hill Bay, Me.	44 14 55 68 29 54	Fixed white	5	26	10¼
24	EAST PENOBSCOT BAY. SADDLEBACK LEDGE	Three miles westerly from Western Head, Isle au Haut, and on W. side of entrance to the bay, Me.	44 00 52 68 43 37	Fixed white	5	54	12¼
25	EAST PENOBSCOT BAY. Deer Island Thoroughfare	On Mark Island, western entrance to Deer Island Thoroughfare, Me.	44 08 04 68 42 14	Fixed white	4	52	12¼
26	EAST PENOBSCOT BAY. Goose Rocks	On Goose Rocks Ledge, on northerly side of main easterly entrance to Fox Island Thoroughfare, Me.	44 08 (08) 68 49 (52)	Fixed red, with a fixed white sector between NW. ¾ W. and NW. ¾ N.	5	50½	12¼
27	EAST PENOBSCOT BAY. Eagle Island	On a bluff head, at NE. extremity of Eagle Island, Me.	44 13 04 68 46 06	Fixed white	4	106	16
28	EAST PENOBSCOT BAY. Pumpkin Island	On NW. side of island, westerly entrance to Eggemoggin Reach, Me.	44 18 33 68 44 36	Fixed white	5	43½	12
29	EAST PENOBSCOT BAY. HERON NECK	On S. point of Green Island, the southernmost of the Fox Islands, Me.	44 01 31 68 51 45	Fixed red	5	92	8¼
30	MATINICUS ROCK (N. light)	On Matinicus Rock, off southern entrance to Penobscot Bay, Me.	43 47 (03) 68 51 (21)	Fixed white	3	85	15
31	MATINICUS ROCK (S. light)	On Matinicus Rock, Me., 180 feet SSE. from the preceding.	43 47 01 68 51 20	Fixed white	3	90	15½
32	WHITEHEAD	On E. end of Whitehead Island, W. entrance to Penobscot Bay, Me.	43 58 43 69 07 30	Fixed white	3	74½	14¼

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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MAINE. FIRST DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
16	Square white tower, rising from middle of square white dwelling. Bell tower close to SW. side of dwelling.	34	1875	.....	Bell struck by machinery, a double blow every 20 sec.	Guide to Frenchman Bay. Bar Harbor, NW. ½ N., 3¼ miles; Baker Island Light, SSW. ½ W., 7¼ miles.
17	Black cylindrical foundation pier, surmounted by a brown conical tower. A gallery, with roof, surrounds base of tower.	.....	1890	.....	Bell struck by machinery, every 10 sec.	Guide to Sullivan Harbor and Mount Desert Ferry.
18	White tower and dwelling, connected by workroom.	37	1828	1855	.....	Guide on the coast and to Frenchman Bay and Southwest Harbor.
19	Cylindrical brick tower, near brick fog-signal house and rain shed, and about 250 feet southerly from row of three white dwellings.	35½	1890	.....	10-inch steam whistle; blasts 3 sec., silent intervals 17 sec.	Whistle sounds thus: Blast, 3 sec.; Silent interval, 17 sec.; Blast, 3 sec.; Silent interval, 17 sec.
20	Tower with workroom annexed, painted white, and brown frame dwelling. White pyramidal bell tower near brow of hill, about 200 feet SSE. of tower.	24½	1839	1889	Bell struck by machinery, every 15 sec.	Guide to Northeast and Southwest harbors, and to Somes Sound.
21	White tower and dwelling, connected by porch.	26	1858	.....	Bell struck by hand in answer to signals.	Guide to Bass Harbor, Mount Desert Island, and over Bass Harbor Bar to Blue Hill Bay.
22	Two square white towers, connected by a covered way. Light exhibited from rear tower. White dwelling connected with tower.	32½	1872	.....	Hand bell rung in answer to signals.	Burnt Coat is a good harbor of refuge, and is capable of sheltering a large number of vessels.
23	White tower and dwelling, connected by workroom.	22	1856	.....	Hand bell rung in answer to signals.	Guide to Blue Hill and Ellsworth.
24	Gray granite tower with white base. White frame building attached, and a pyramidal skeleton bell tower on S. side.	36	1839	.....	Bell struck by machinery, every 10 sec.	A guide to the entrance to East Penobscot Bay. Dangerous ledges for nearly the whole distance between this light and Carvers Harbor.
25	Square white tower, attached to a white dwelling. Fog-bell tower red.	26	1857	.....	Bell struck by machinery, a double blow every 15 sec.	A guide to the western entrance to Deer Island Thoroughfare.
26	Black cylindrical foundation pier, surmounted by a brown conical tower. A gallery, with roof, surrounds base of tower.	.....	1890	.....	Bell struck by machinery, a single and a double blow alternately, intervals 20 sec.	
27	White tower, dwelling attached	28	1837	1858	Hand bell rung in answer to signals.	Guide through the main channel of East Penobscot Bay.
28	White tower and dwelling, connected by a workroom.	22	1854	.....	Hand bell rung in answer to signals.	Guide to Eggemoggin Reach from the W.
29	White tower, attached to the end of a white dwelling.	22	1853	.....	Hand bell rung in answer to signals.	Guide to Carvers Harbor and Hurricane Sound.
30	Two cylindrical, granite towers, with one dwelling of granite, natural color, and two dwellings of wood, painted white. A brick fog-signal house and a brick oil house SW. of and near south tower.	52	*1827	1857	10-inch steam whistle; blasts 5 sec., silent intervals 25 sec. If whistle be disabled, a bell will be struck by hand.	This station is 34 miles from Mount Desert Light and 43 miles from Seguin Light. Whistle sounds thus: Blast, 5 sec.; Silent interval, 25 sec.; Blast, 5 sec.; Silent interval, 25 sec.
31		41	1827	1857		
32	Gray granite tower, brick service room attached, near a white frame dwelling. Brick fog-signal house about 115 feet S. and red brick oil house about 250 feet NW. of dwelling. Signal Service flagstaff to northwestward of tower.	34	1804	1852	10-inch steam whistle; blasts 4 sec., silent intervals 26 sec. If whistle be disabled, a bell will be rung by hand.	Guide to the entrance to Muscle Ridge Channel, West Penobscot Bay. There is a signal display and a life-saving station here. Whistle sounds thus: Blast, 4 sec.; Silent interval, 26 sec.; Blast, 4 sec.; Silent interval, 26 sec.

* Discontinued, 1883; relighted, 1888.

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FIRST DISTRICT. MAINE.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
				° ′ ″				
33	Penobscot Bay.	Owls Head	On the W. side of Penobscot Bay, S. side of entrance to Rockland Harbor, Me.	44 05 32 69 02 40	Fixed white	4	90½	15½
34		Rockland Breakwater	On S. end of breakwater, making out from Jameson Point, N. side of entrance to Rockland Harbor, Me.	44 06 (37) 69 04 (49)	Two fixed red	Lens lantern.	23 29	.....
35		Browns Head	On the southern of the Fox Islands, W. entrance to Fox Island Thoroughfare, Me.	44 06 42 68 54 36	Fixed white, with two fixed red sectors; SW. red sector between N. by E. ½ E. and NE. by E. ¾ E.; westerly red sector between ENE. ½ E. and ESE. ½ E.	5	39	11½
36		Indian Island	On the southerly point of Indian Island, E. side of entrance to Rockport Harbor, Me.	44 09 (55) 69 03 (23)	Fixed red	5	53½	8½
37		Negro Island	On SE. end of island, S. side of the entrance to Camden Harbor, Me.	44 12 05 69 02 57	Fixed white	4	52	12½
38		Grindel Point	On the N. side of the entrance to Gilkey Harbor, Me.	44 16 54 68 56 36	Fixed white	5	38½	11½
39		Dice Head	North side of entrance to Castine Harbor, Me.	44 22 58 68 49 11	Fixed white	4	130	17½
40		Fort Point	On SE. side of Old Fort Point, at mouth of Penobscot River, Me.	44 28 02 68 48 44	Fixed white	4	87½	15
41		Tennant Harbor	On E. end of Southern Island, entrance to Tennant Harbor, Me.	43 57 40 69 11 07	Fixed red, varied by a red flash every minute.	5	64½	13½
42		Marshall Point	East side of entrance to Herring Gut or St. George Harbor, Me.	43 55 03 69 15 42	Fixed white	5	29½	10½
43		MONHEGAN ISLAND	Near the center of Monhegan Island, Me.	43 45 53 69 18 59	Flashing white every minute.	2	178½	19½
44		Manana Island Fog-Signal Station.	On the W. side of Manana Island, close to Monhegan Island, Me.	43 45 47 69 19 37	.....	.....	.....	.....
45		Franklin Island	On the NW. side of the island in Muscongus Bay, and W. of entrance to St. George River, Me.	43 53 32 69 22 31	Fixed white, varied by a white flash every 90 sec.	4	56½	13
46		PEMAQUID POINT	On SE. point of Pemaquid Neck, at the SW. entrance to Muscongus Bay, and E. of entrance to Johns Bay, Me.	43 50 13 69 30 23	Fixed white	4	78½	14½
47		Ram Island	On Ram Island, entrance to Boothbay Me.	43 48 (14) 69 35 (54)	Fixed red, with two fixed white sectors; easterly white sector between W. ½ N. and W. ¾ N.; westerly white sector between NE. ½ N. and NE. by E. ½ E.	4	35½	11½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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MAINE. FIRST DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
33	White tower, detached from a white dwelling. Fog-signal house on bluff 100 feet NE. of light-house.	19	1825	.....	Bell struck by machinery every 15 sec. If machinery be disabled, a bell will be rung by hand.	Guide to Rockland Harbor.
34	Lanterns, hung one vertically above the other on a wooden mast on top of pyramidal stone beacon surmounted by wooden gallery.	24	1888	.....	.....	Guide into Rockland Harbor. The partial filling of the breakwater slopes from the beacon to the south for some distance; vessels should not approach too near.
35	Cylindrical white tower and dwelling attached.	14½	1832	1856	Bell struck by hand in answer to signals.	Guide to Fox Island Thoroughfare. The WHITE sector between NE. by E ¼ E. and ENE. ¼ E., defines the channel between Fiddler Ledge on the N. and the Inner Bay Ledges on the S. Vessels entering or leaving the western entrance of the thoroughfare will clear both these dangers by keeping in the *white* light.
36	Square white tower, with white dwelling SW. of and close to it.	30½	1850	1874	Hand bell rung in answer to signals.	Guide to Rockport Harbor.
37	White tower and dwelling, covered way extending nearly to dwelling.	24½	1835	.....	Hand bell rung in answer to signals.	Guide in the bay and to Camden Harbor.
38	Square white tower and dwelling, connected by a covered way.	32½	1850	1874	Hand bell rung in answer to signals.	Guide in the bay and to Gilkey Harbor.
39	White tower and dwelling, connected by a workroom.	45	1828	1858	Bell struck by hand in answer to signals.	
40	Square white tower and dwelling, connected by a workroom; pyramidal white bell tower about 250 feet ENE. of light-house.	26	1836	1857	Bell struck by machinery every 10 sec.	Marks the entrance to Penobscot River.
41	White tower and dwelling, connected by a workroom.	27½	1857	.....	Hand bell rung in answer to signals.	
42	White tower, with a covered way extending nearly to white dwelling.	25½	1832	1857	Hand bell rung in answer to signals.	
43	Conical, gray granite tower with brick service room attached, connected with a white dwelling by white covered way. Another white dwelling stands to the southward and a red brick oil house about 100 feet NW. of the tower.	36	1824	1851	.....	This station is 23 miles from Matinicus Rock Lights and 20 miles from Seguin Light. When within 3 miles of the island the light is obscured by high land, when bearing between W. ¼ S. and SW. ¼ W.
44	A brick fog-signal house, with a white dwelling near.	.....	1870	.....	1st-class Daboll trumpet; blasts 15 sec., silent intervals 40 sec. If trumpet be disabled, a bell will be struck by hand.	Trumpet sounds thus: Blast, 15 sec.; Silent interval, 40 sec.; Blast, 15 sec.; Silent interval, 40 sec.
45	White tower and dwelling, connected by a workroom.	35½	1806	1855	Hand bell rung in answer to signals.	Guide to Thomaston. Light to be left on starboard hand going in from the westward.
46	White tower and dwelling, connected by a workroom.	32	1827	1857	Hand bell rung in answer to signals.	Guide to Johns Bay, Muscongus Bay, and the approaches to St. George River.
47	Tower of granite to height of 20 feet, white above; connected with shore by an open bridge. White dwelling on shore near end of bridge.	30½	1883	.....	.....	Guide to Fisherman Island Passage. In entering from sea, mariners should keep within the *white* light, by which they will avoid all dangers.

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FIRST DISTRICT. MAINE.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
				° ′ ″				
48		Burnt Island	On SE. part of the island, W. side of the entrance to Boothbay Harbor, Me.	43 49 31 69 38 27	Fixed red, with two fixed white sectors; SE. white sector between NW. ¼ N. and NNW. ¼ W.; southerly white sector between N. ¼ E. and N. by E. ¼ E.	4	61	13½
49		Cuckolds Fog-Signal Station	On the highest part of the most easterly of the Cuckolds, about ½ mile S. of Cape Newagen, W. side of the entrance to Boothbay, Me.	43 46 (46) 69 39 (00)				
50		Hendricks Head	On E. side of the mouth of Sheepscot River, Me.	43 49 22 69 41 25	Flashing white, every 30 sec.	4	42½	11½
51		Pond Island	On E. side of the island, W. side of mouth of Kennebec River, Me.	43 44 24 69 46 15	Fixed white	5	54	12½
52		SEGUIN	On the highest part of Seguin Island, off the mouth of Kennebec River, Me.	43 42 26 69 45 32	Fixed white	1	180	19½
53	CASCO BAY.	HALFWAY ROCK	On Halfway Rock, nearly midway between Cape Small Point and Cape Elizabeth, Me.	43 39 22 70 02 14	Fixed white, varied by a red flash every 90 sec.	3	75½	14½
54	CASCO BAY.	CAPE ELIZABETH (E. light).	On NE. part of Cape Elizabeth, Me.	43 33 58 70 12 02	Fixed white	1	128½	17½
55	CASCO BAY.	CAPE ELIZABETH (W. light).	On Cape Elizabeth, Me., 923 feet SW. by W. from the preceding.	43 33 51 70 12 11	Fixed white, varied by a white flash every minute.	2	129½	17½
56	CASCO BAY.	PORTLAND HEAD	On Portland Head, entrance to Portland Harbor, Me.	43 37 23 70 12 30	Fixed white	2	101	15½
57	CASCO BAY.	Portland Breakwater	On NE. end of breakwater, Portland Harbor, Me.	43 39 20 70 14 07	Fixed red, varied by a red flash every 40 sec.	5	29½	10½
58		Wood Island	On E. end of island, N. side of southern entrance to Wood Island Harbor, off mouth of Saco River, Me.	43 27 24 70 19 46	Fixed red, varied by a red flash every minute.	4	70½	14

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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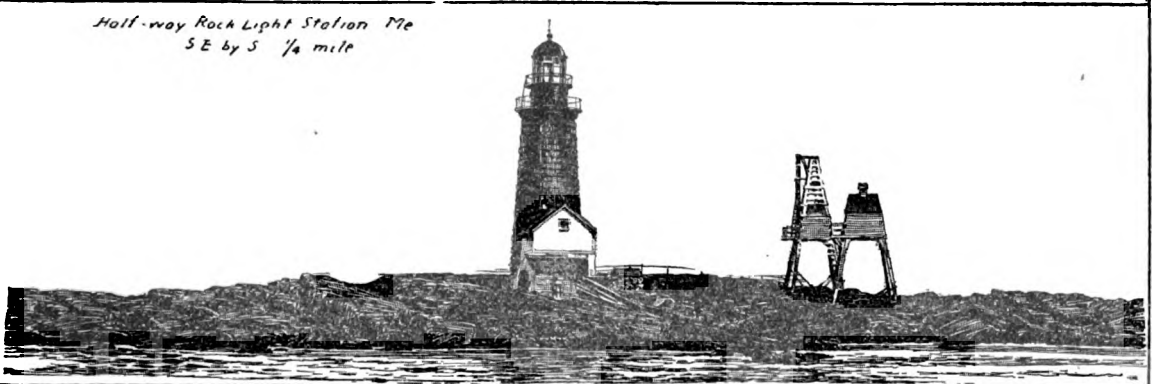
White Head Light Station. Me.
N. W. ½ mile

Seguin Light Station. Me
E by N. 1 mile

Half-way Rock Light Station Me
S E by S ¼ mile



Cape Elizabeth Light Station Me.
N. W. - ½ mile

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MAINE. FIRST DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
48	Conical, white tower and dwelling, connected by a covered way and porch.	25½	1821	.....	Hand bell rung in answer to signals.	Guide to Townsend or Boothbay Harbor. In entering from sea, mariners should keep within the *white* light, by which they will avoid all dangers.
49	Half-round gray stone pier, surmounted by half-round red brick fog-signal building with high conical roof, shingled, natural color. White one-and-one-half story wooden dwelling attached to pier and fog-signal building on northwesterly side, protected on easterly side, to half height of first-story windows by a bulkhead extending from stone pier to outbuildings in rear of dwelling.	.....	1892	.....	Daboll trumpet; blasts 3 sec., silent intervals 17 sec.	Trumpet sounds thus: Blast, 3 sec. — Silent interval, 17 sec. — Blast, 3 sec. — Silent interval, 17 sec.
50	Square white tower and dwelling; pyramidal white bell-tower, near water's edge to westward; all connected by covered ways.	33½	1829	1875	Bell struck by machinery every 20 sec.	Guide to Wiscasset.
51	White tower and dwelling, connected by a workroom. Fog bell hung from framework, 200 feet S. of tower.	16½	1821	1855	Bell struck by machinery every 8½ sec.	Guide to vessels entering the Kennebec River. To be left on port hand going in.
52	Cylindrical, gray granite tower, connected with dwelling by a workroom. A brick fog-signal building and white frame dwelling about 250 feet S. of tower. Oil house, barn, and outbuildings to northward.	42	1795	1857	10-inch steam whistle; blasts 8 sec., silent intervals 52 sec. If whistle be disabled, a bell will be struck by hand.	This light is 43 miles from Matinicus Rock Lights, 47 miles from Boon Island Light, 20 miles from Monhegan Island Light, and 21 miles from Cape Elizabeth Lights. Whistle sounds thus: Blast, 8 sec. — Silent interval, 52 sec. — Blast, 8 sec. — Silent interval, 52 sec.
53	Gray granite tower, with frame boathouse attached on NW. side. Pyramidal skeleton bell tower to SW. of tower, and elevated pyramidal oil house northwesterly of it.	65½	1871	.....	Bell struck by machinery every 10 sec.	Seguin Light, E. ¼ N., 12¾ miles; Little Mark Island Monument, N. by E. ¼ E., 3½ miles; Portland Head Light, W. ¼ S., 7¾ miles; Cape Elizabeth Lights, WSW., southerly, 8⅞ miles.
54	Two towers painted brown, with white bases. A white dwelling connected by a covered way to each tower, and a third white dwelling near easterly tower. Red brick oil house about midway between towers. White fog-signal house on extreme E. point of the cape, about 300 yards from E. tower. Life-saving station near fog-signal house.	55½	1828	1874	2d-class steam siren; blasts 5 sec., alternate silent intervals of 8 sec. and 42 sec. If siren be disabled, a 12-inch steam whistle will be sounded.	There is a life-saving station here. Siren (or whistle) sounds thus: Blast, 5 sec. — Silent interval, 8 sec. — Blast, 5 sec. — Silent interval, 42 sec.
55		54½	1828	.....		
56	White tower and dwelling, connected by a porch. White fog-signal house near the tower to the eastward and red brick oil house about 100 feet to westward.	69	1790	.....	2d-class Daboll trumpet; blasts 8 sec., silent intervals 40 sec. If Daboll trumpet be disabled, a bell will be struck by hand.	Trumpet sounds thus: Blast, 8 sec. — Silent interval, 40 sec. — Blast, 8 sec. — Silent interval, 40 sec.
57	Brown tower, with white frame dwelling attached, on the outer end of the granite breakwater.	19½	1855	1875	....	
58	White tower and dwelling, connected by a porch. A white pyramidal bell tower, about 30 feet high, stands to the southward.	48½	1808	1858	Bell struck by machinery, a single and a double blow alternately, intervals 25 sec.	Guide to Wood Island Harbor and Saco River, Me.

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FIRST DISTRICT. MAINE AND NEW HAMPSHIRE.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
			° ′ ″				
59	Goat Island	On the N. side of the entrance to Cape Porpoise Harbor, Me.	43 21 28 70 25 (32)	Fixed white	6	38	11
60	CAPE NEDDICK	On northerly part of York Knubble, Cape Neddick, Me.	43 09 (55) 70 35 (29)	Fixed red	4	87½	11½
61	BOON ISLAND	On Boon Island, off York Harbor, Me.	43 07 17 70 28 37	Fixed white	2	133	17½
62	WHALEBACK	On NE. side of outer entrance to Portsmouth Harbor, N. H.	43 03 32 70 41 49	Fixed white, varied by a white flash every 90 sec.	4	59	13
63	Portsmouth Harbor (New Castle)	On Fort Point, SW. side of inner entrance to Portsmouth Harbor, N. H.	43 04 16 70 42 33	Fixed white	4	52	12
64	Seavys Island	On extreme SW. point of Seavys Island, Me., entrance to Portsmouth Harbor, N. H. About 1½ miles inside of Portsmouth Harbor Light-House, and ½ mile below the city of Portsmouth.	43 04 (26) 70 44 (18)	Two fixed red	Tub'lar lantern.	23 31	...
65	ISLES OF SHOALS	On White Island, the SW. island of Isles of Shoals, southerly of entrance to Portsmouth, N. H.	42 58 02 70 37 26	Flashing alternately red and white; interval between flashes, 15 sec.	2	82	14½

SECOND DISTRICT. MASSACHUSETTS.

66	Range. Salisbury Beach (front)	On westerly part of Salisbury Beach, N. side of mouth of Merrimack River, Mass.	42 49 (15) 70 49 (12)	Fixed red	Tub'lar lantern.	22	....
67	Range. Salisbury Beach (rear)	425 feet NW. by W. in rear of the preceding.	42 49 (16) 70 49 (17)	Fixed white	Tub'lar lantern.	32	....
68	Newburyport Harbor	On N. end of Plum Island, S. side of mouth of Merrimack River, Mass.	42 48 55 70 49 10	Fixed white	4	50	12½
69	Range. Newburyport Upper Harbor (Outer Beacon)	On Bailey New Wharf, near E. corner	42 48 42 70 51 55	Fixed red	Refl'r.	25½	.....
70	Range. Newburyport Upper Harbor (Inner Beacon)	350 feet W. ½ S. in rear of the preceding	42 48 41 70 52 00	Fixed green	Refl'r.	47½	.....
71	Range. Ipswich	South side of entrance to Ipswich Harbor, on Castle Neck, about 1½ miles southeasterly from mouth of Ipswich River, Mass.	42 41 07 70 46 (00)	Fixed white, varied by a white flash every 90 sec.	5	42	11½
72	Range. Beacon	625 feet in front of the preceding	42 41 (10) 70 45 (54)	Fixed white	Refl'r.	20	.....
73	Annisquam Harbor	On Wigwam Point, E. side of the entrance to the harbor, Mass.	42 39 43 70 40 55	Fixed white	5	44½	13

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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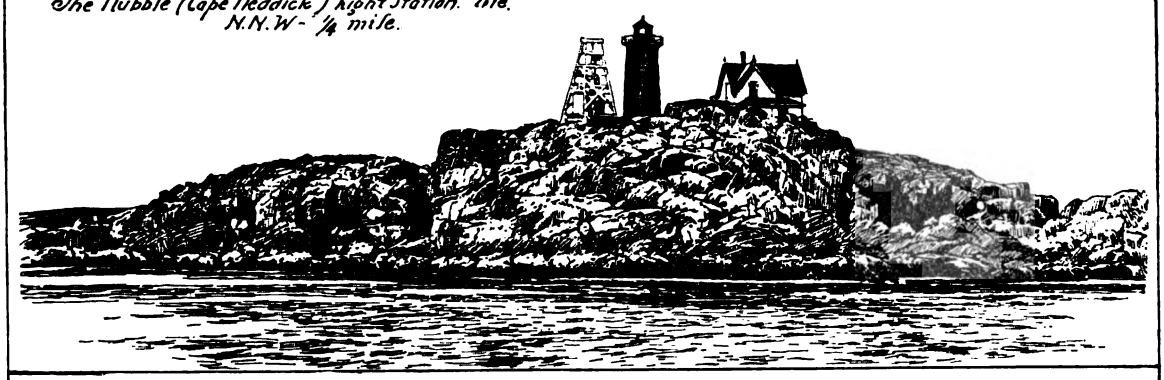
Portland Head Light Station. Me.
West - 1/4 mile.

The Nubble (Cape Neddick) Light Station. Me.
N.N.W - 1/4 mile.



Boon Island Light Station Me.
N E by E 1/2 mile

Isles of shoals Light Station - Me.
S.W. by W. — 1/2 mile.

N.L. Stebbins Photo

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MAINE AND NEW HAMPSHIRE. FIRST DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
59	White tower, connected with a dwelling by a covered way.	25	1833	1859	Hand bell rung in answer to signals.	Harbor of refuge for vessels of light draft. Tower to be left on starboard hand going in. A point of rocks, covered at half-tide, makes out a long distance from the light-house. The entrance to the harbor is both narrow and crooked.
60	Conical brown tower; lantern, black. White dwelling stands 50 feet N. of tower. Framework for fog signal near tower.	35	1879	.....	Bell struck by machinery every 15 sec.	Boon Island Light, SE. ¾ E., 5¼ miles.
61	Conical, gray granite tower and dwelling, with framed, white, upper story, connected by a workroom. White storehouse near base of tower on N. side, and gray stone oil house about 150 feet away on same side.	122½	1812	.....	Bell rung in answer to signals.	This station is about 47 miles from Seguin Light and 29½ miles from Cape Ann Lights.
62	Conical, gray granite tower, on a cylindrical, gray granite pier rising directly from the ledge. Conical, red fog-signal tower to northward.	69	1829	1872	3d-class Daboll trumpet; blasts 10 sec., silent intervals 30 sec.	Trumpet sounds thus: Blast, 10 sec. — Silent interval, 30 sec. — Blast, 10 sec. — Silent interval, 30 sec.
63	Brown tower, with white foundation, near an unfinished fort.	42	1789	1877	Hand bell rung in answer to signals.	Marks the entrance to Portsmouth Inner Harbor. To be left on port hand going in.
64	Red post, lanterns hung one vertically above the other.	.....	1893	.....	.....	Goat Island Ledge Buoy, No. 9, SE. by E. ½ E.; South Beacon, NW. ½ W.; North Beacon (or Pumpkin Island), NNW. ½ W.
65	White tower standing alongside of the old stone tower, from which a covered way extends nearly to the white dwelling. Red brick oil house near end of covered way on S. side.	46	1821	1859	Hand bell rung in answer to signals.	

MASSACHUSETTS. SECOND DISTRICT.

66	Post	12	1891	.....	.....	Range lights for entering the Merrimack River.
67	Post	12	1891	.....	.....	
68	White octagonal tower; lantern, black. White dwelling and outbuildings, S. of tower, within 100 feet of it. Red brick oil house 112 feet E. by S. of dwelling.	35	1790	.....	.....	
69	Brown conical tower, lantern, black	19½	1873	.....	.....	These lights form a range for the upper harbor of Newburyport. The course for them, between the N. pier and the S. pier, leads in the best water, excepting at a point about half way up, where there is a shoal with 6 feet over it at low water.
70	Square, pyramidal red-brick tower; lantern, black.	38½	1873	.....	.....	
71	White tower; lantern, black. White dwelling and barn to westward of tower.	30	1837	1880	.....	These lights, in range, guide to entrance of channel across the bar, in the best water. The front beacon is movable, shifted as the channel changes. Best water at low tide, at present, 5½ feet, and on the bearing ENE. and WSW.
72	Small square white house; half of front side, black.	15	1837	.....	.....	
73	White octagonal tower, connected with dwelling by a covered way, 100 feet long; lantern, black.	36	1801	.....	.....	A harbor of refuge for small vessels. Six feet of water on the bar at low tide.

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SECOND DISTRICT. MASSACHUSETTS.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
			° ′ ″				
74	Straitsmouth	On NE. point of Straitsmouth Island, N. side of Cape Ann, Mass.	42 39 44 70 35 19	Fixed white	6	45½	11
75	CAPE ANN (N. light)	On NE. part of Thatcher Island, Mass., about ¾ mile from Cape Ann.	42 38 21 70 34 31	Fixed white	1	161½	19
76	CAPE ANN (S. light)	On E. side of Thatcher Island, Mass., 895 feet S. by W. ¾ W. from the preceding.	42 38 13 70 34 32	Fixed white	1	165½	19
77	Eastern Point	East side of entrance to Gloucester Harbor, Mass.	42 34 49 70 39 54	Flashing red every 5 sec.	4	56½	13
78	Tenpound Island	In Gloucester Harbor, on E. side of entrance to inner harbor, Mass.	42 36 (07) 70 39 (58)	Flashing white every 5 sec.	6	43½	12
79	SALEM HARBOR. Baker Island	On northerly part of Baker Island, Mass.; S. side of the NE. entrance to Salem Harbor.	42 32 12 70 47 11	Fixed white	4	111	16½
80	SALEM HARBOR. Beacon	On northerly part of Baker Island, Mass., 40 feet NW. of the preceding.		Fixed white	4	91½	15½
81	SALEM HARBOR. Hospital Point	On Hospital Point, Beverly, N. side of Salem Harbor entrance, Mass.	42 32 48 70 51 23	Fixed white	3½	69½	13½
82	SALEM HARBOR. Fort Pickering	On line of beach, on the SE. point of Winter Island, N. side of entrance to Salem Harbor, Mass.	42 31 36 70 52 01	Fixed white	6	28½	10½
83	SALEM HARBOR. Derby Wharf	On the end of Derby Wharf, upper part of Salem Harbor, Mass.	42 31 00 70 53 03	Fixed red	6	22	7½
84	Marblehead	On N. point of Marblehead Neck, SE. side of entrance to Marblehead Harbor, Mass.	42 30 20 70 50 03	Fixed white	6	52½	11
85				Fixed white	Tub'lar lantern.	125½	.....
86	Egg Rock	Off Nahant, ¾ mile from shore, Mass	42 26 01 70 53 54	Fixed red	5	85½	8½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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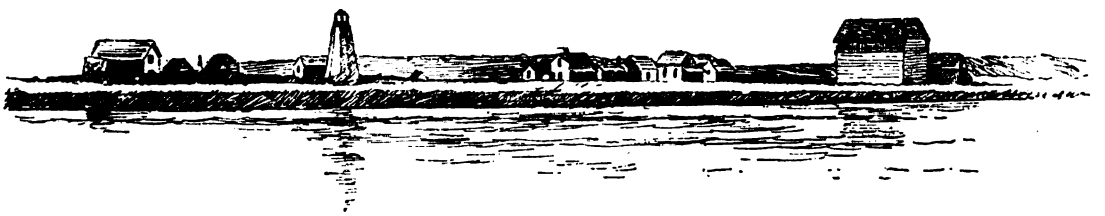
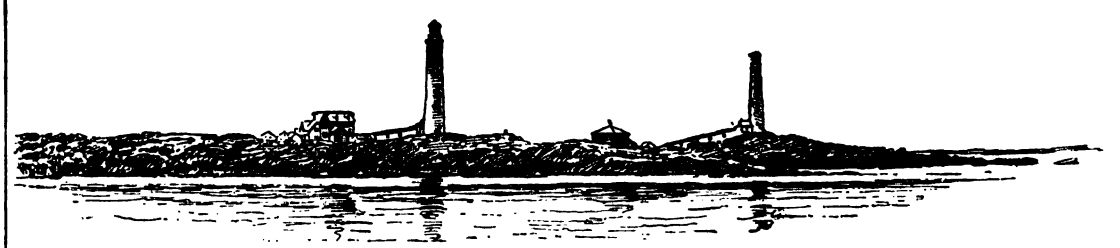
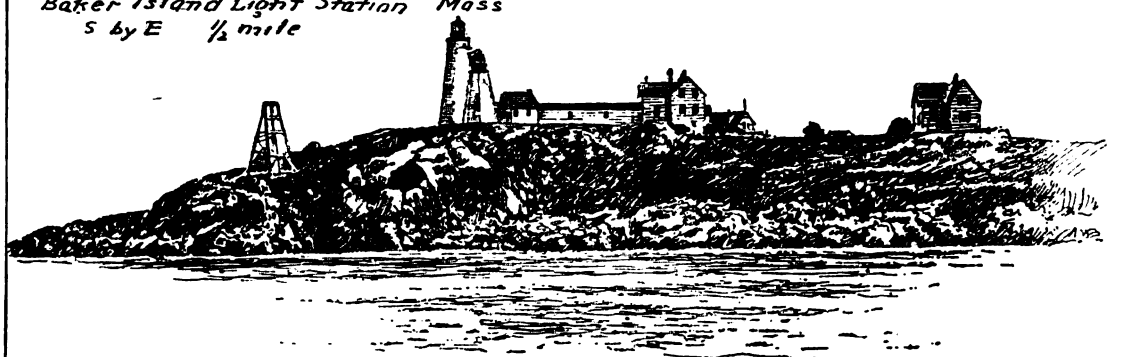
Newburyport Harbor Light Station Mass
W.S.W 1/4 mile



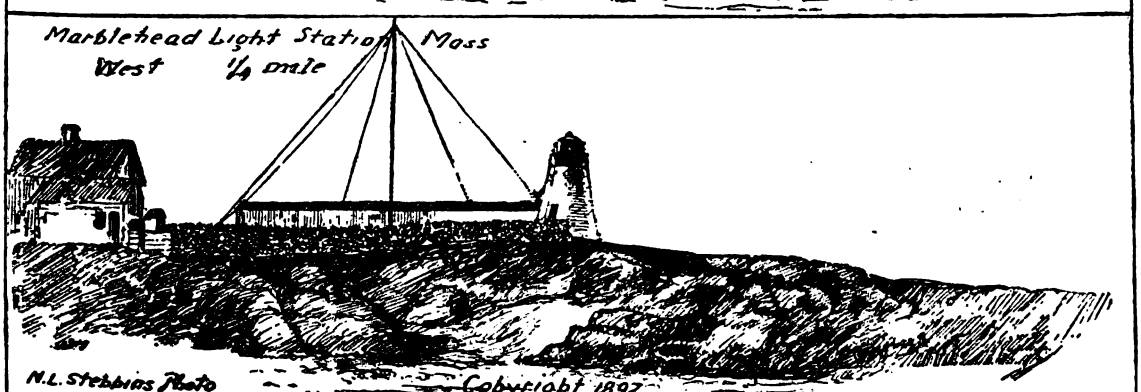
Cape Ann Light Station. Mass
N.N.W. 3/4 mile



Baker Island Light Station Mass
S by E 1/2 mile



Marblehead Light Station Mass
West 1/4 mile



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MASSACHUSETTS. SECOND DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
74	White octagonal tower; lantern, black. Plank walk over the rocks to upland towards a white dwelling.	32½	1850	.....	.....	A local light for Rockport and the channel inside the Salvages. To be left on the port hand when bound to Rockport or into Ipswich Bay. North tower of Cape Ann Lights, S. ½ E.; Avery Ledge Bell Buoy, N. by E. ¾ E., which should be left on the starboard hand when bound to Rockport or into Ipswich Bay past Halibut Point.
75	Two gray-stone towers; lanterns, black. Workrooms, stone-color; covered walks and northern dwelling, white; one southern dwelling, brick-color and one white. A drab house stands W. of the brick dwelling. Brick fog-signal house near easterly shore of island, and red-brick oil house about midway between towers.....	112½	1790	1861	10-inch steam whistle; blasts of 8 and 4 sec.; alternate silent intervals of 4 and 44 sec.	Cape Ann forms the northernmost limit of Massachusetts Bay. These lights are 29½ miles from Boon Island Light, 23½ miles from Boston Light, and 41¾ miles from Cape Cod Light. A good channel inside of the island for small vessels. From the N. tower the beacon on the Dry Salvages bears N. by E. ¾ E. From the S. tower the SE. point of Milk Island bears SW. by W., and Londoner Rock Spindle, SE. by E. ½ E., nearly ½ mile. Whistle sounds thus: Blast, 8 sec.; Silent interval, 4 sec.; Blast, 4 sec.; Silent interval, 44 sec.
76		112½	1790	1861		
77	White conical tower with black lantern; white dwelling to eastward and white bell tower to westward.	30¾	1831	1890	Bell struck by machinery, a double blow every 20 sec.	A guide to Gloucester Harbor, and also to vessels bound to Broad Sound or near Boston Light. Halfway Rock Beacon, which is about halfway between this light and Nahant Head, SW. by W. ¾ W.; Tenpound Island Ledge Buoy, red, No. 6, N. ¼ W.; Tenpound Island Light, N. by E.; Whistling Buoy, S. by W., ½ mile.
78	Brown conical tower; lantern, black. White dwelling E. of tower.	25	1821	1881	.....	
79	Two white towers; lanterns, black. Southeastern tower, conical; northwestern tower, low octagonal pyramid, connected with a white dwelling by a covered way, 64 feet long. White bell tower stands N. of SE. tower. Red brick oil house 320 feet W. by N. from the northwesterly tower.	54½	1797	.....	Bell struck by machinery, a single and a double blow alternately, intervals 30 sec.	Gales Ledge Buoy (red, No. 2), near a ledge with 2 feet of water on it at low tide, NE. by E. ⅛ E., 1¼ miles; Searle Rock, SE., ¾ mile.
80		34½	1797	.....		
81	White pyramidal tower; lantern, black. Dwelling and outhouses, white.	40	1871	.....	.....	A lens panel is placed in the line of the center of the main ship channel, making a more brilliant fixed light on that line than on either side of it, lying between Baker Island and Little Misery Island, and serves to guide vessels in mid-channel clear of dangers on either side.
82	Brown conical tower with white base; lantern, black. White bridge from tower to shore.	32½	1871	.....	.....	This light, in range with Derby Wharf Light clears Haste Shoal. Good anchorage from ⅜ to ½ mile from this light, on and to the eastward of NE. by N., with Derby Wharf Light bearing between W. by S. and W. ½ N.
83	Square red tower, with black lantern.	17½	1871	.....	.....	
84	White tower, lantern black; a white covered way, 100 feet long, extends nearly to dwelling. Dwelling and outhouses, white.	22½	1835	.....	.....	Local lights. Serve as a guide for Marblehead and for western entrance to Salem Harbor. Good anchorage ½ mile W. by S. from these lights. On account of intervening buildings, the main light is obscured, except at short and irregular intervals, to vessels approaching from the southward until it bears from them NW. ½ N. The lantern light shows above the buildings.
85	Lantern suspended from a white mast	100	1883	.....	.....	
86	Black lantern, on white dwelling.....	21	1856	.....	.....	Guide to Swampscott Anchorage. Dread Ledge Beacon (SE. side of anchorage off Swampscott), N. by E. ¾ E.; Halfway Rock Beacon, NE. by E. ¾ E.; Northeast Grave Whistling Buoy, S. by E. ½ E.

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SECOND DISTRICT. MASSACHUSETTS.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
				° ′ ″				
87		MINOTS LEDGE	On the Outer Minot (one of the Cohasset rocks), entrance to Boston Bay, Mass.	42 16 11 70 45 35	Fixed white	2	84½	14½
88		BOSTON	On SE. side of Little Brewster Island, N. side of main outer entrance to Boston Harbor, Mass.	42 19 41 70 53 26	Flashing white every 30 sec.	2	102	15½
89	BOSTON BAY.	BOSTON (Auxiliary)	On Little Brewster Island, 57 feet southerly from the preceding.	.....	Fixed white, between two fixed red sectors; one red sector between NE. ¼ E. and NE. by E. ¼ E.; the other red sector between ENE. ¼ E. and ENE. ¼ E.	Refl'r.	34	.....
90		Narrows	On the W. end of the spit making out from Great Brewster Island, Boston Harbor, Mass., NE. side of entrance to Narrows Channel.	42 19 22 70 55 11	Fixed red	5	45	8½
91		Deer Island	On the S. extremity of the spit making out ¼ mile to the southward from Deer Island, Boston Harbor, Mass.	42 20 24 70 57 18	Fixed white, varied by a red flash every 30 sec.	5	53	12½
92		Long Island Head	On the NE. end of Long Island and S. side of the entrance to main ship-channel to Boston, from head of Broad Sound, Mass.	42 19 (47) 70 57 (25)	Fixed white	3½	119½	16½
93		Scituate Breakwater	On outer end of breakwater, entrance to Scituate Harbor, Mass.	.....	Fixed red	Tub'lar lantern.	31	.....
94	CAPE COD BAY.	Range. Plymouth (Gurnet)	On SE. part of Gurnet Point, Mass., N. side of entrance to Plymouth Harbor.	42 00 12 70 36 04	Fixed white	4	102½	15½
95		Range. Beacon	On SE. part of Gurnet Point, Mass., 31 feet NW. from the preceding.	.....	Fixed white	4	102½	15½
96		Duxbury Pier	Near Duxbury Pier, off the end of the flats, Plymouth, Mass., N. side of entrance to anchorage in "Cowyard."	41 59 15 70 38 57	Fixed white	5	34½	11
97		Race Point	Northwesterly point of Cape Cod, Mass.	42 03 45 70 14 37	Fixed white, varied by a white flash every 90 sec.	4	41½	11½
98		Wood End	On the beach at Wood End, near the entrance to Provincetown Harbor, Cape Cod, Mass.	42 01 17 70 11 38	Flashing red every 15 sec.	5	45	12
99		Long Point	On Long Point, SW. side of entrance to Provincetown Harbor, Mass.	42 01 59 70 10 09	Fixed white	5	35½	11½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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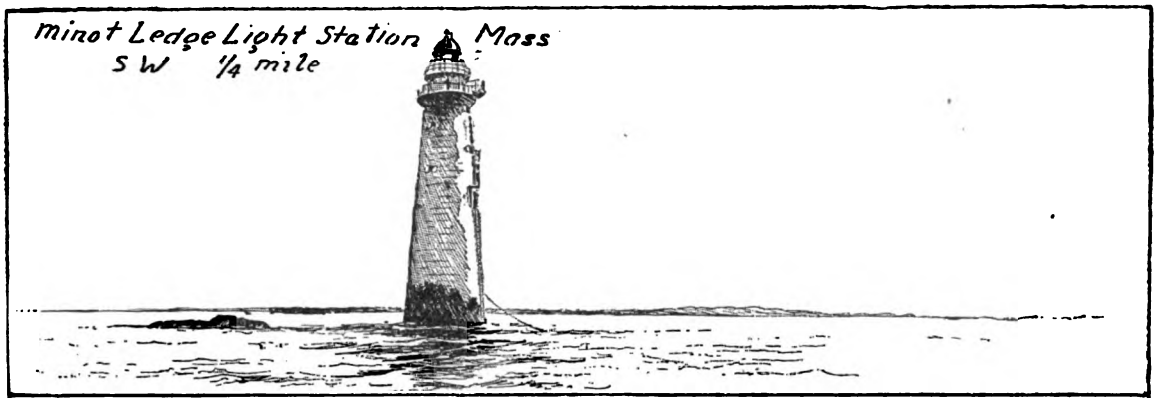
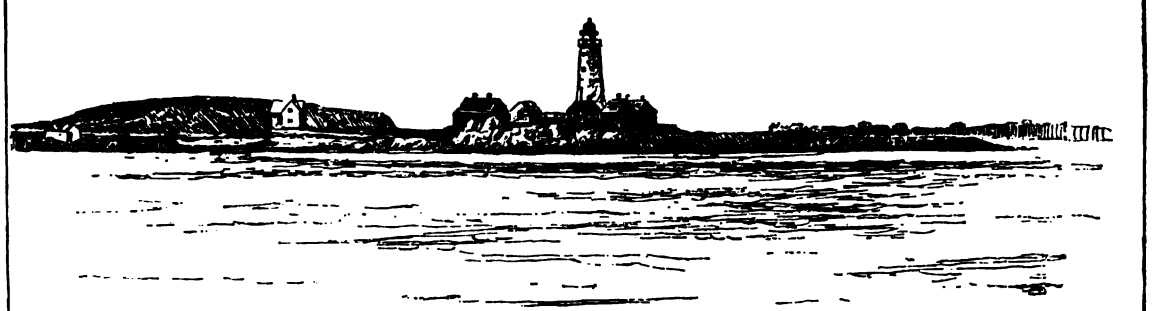
Minot Ledge Light Station Mass
S W 1/4 mile



Boston Light Station Mass
North 1/2 mile



Plymouth (Gurnet) Light Station Mass
S. W 1/2 mile

Long Point Light Station. Mass.
N N W 1/4 mile

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MASSACHUSETTS. SECOND DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
87	Conical, dark-gray granite tower, with black lantern.	89	1848	1859	Bell struck by machinery every 30 sec.	Davis Ledge Buoy, E. ¾ S.; Boston Light, NW. ¼ W., about 6¼ miles.
88	Conical white tower; lantern, black. White dwelling connected to tower by covered way, 80 feet long, large rain sheds, brick fog-signal house with frame annex, and square white building grouped closely about tower. Another white dwelling and small white structure to westward of group. Small brick oil house to southward of westerly dwelling.	80½	1716	1859	1st-class steam siren; blasts 5 sec., alternate silent intervals of 10 and 40 sec.	Siren sounds thus: Blast, 5 sec. — Silent interval, 10 sec. — Blast, 5 sec. — Silent interval, 40 sec.
89	Small, white wooden structure.....	9	1890	.....	.....	The *white* sector, between NE. by E. ¾ E. and ENE. ¾ E., marks the fairway between Hunt Ledge and The Centurion; one red sector covers Hunt Ledge, the other red sector covers The Centurion.
90	Black lantern on white hexagonal dwelling; pile foundation.	45	1856	.....	Bell struck by machinery every 20 sec.	A guide through the Narrows. This light, in range with Long Island Head Light, leads clear of Harding Ledge. Opening the width of the house S. of Long Island Head Light, will clear Point Allerton Buoy (black, No. 3).
91	Conical brown tower; lantern, black; on black, cylindrical foundation pier expanding in trumpet-shape under main gallery, gallery covered by roof.	.....	1890	.....	Bell struck by machinery every 10 sec.	
92	Brown tower; lantern, black. White dwelling SE. of tower. Red brick oil house 250 feet SE. of tower.	35¾	1819	1880	.....	
93	Lantern suspended from a spar.....	.....	1891	.....	.....	Guide to Scituate Harbor.
94	Two white, octagonal, pyramidal towers connected by covered way; lanterns, black; dwelling, white, with green blinds. Red brick oil house about 90 feet SW. by W. from south tower.	34	1769	.....	.....	Serve as a range to clear Browns Bank, coming from southward and eastward, and as a guide into Plymouth Harbor, Kingston, and Duxbury. This is a good harbor for vessels overtaken in easterly storms. Depth of water in channel to Cowyard Anchorage, 20 feet at low water.
95		34	.....	.....	.....	Life-saving station just inside Gurnet Point.
96	Brown conical tower, with black lantern.	42	1871	.....	.....	Guide to Kingston, Duxbury, and the entrance to the inner harbor of Plymouth. To be left on starboard hand entering. Anchorage in Cowyard, with light bearing about SE. ½ E.
97	Brown tower; lantern, black. Two white dwellings and barn. A brick fog-signal house about 150 feet northerly from tower.	35	1816	1876	12-inch steam whistle; blasts 4 sec., alternate silent intervals of 8 and 44 sec.	A guide to enter Cape Cod Bay. Whistle sounds thus: Blast, 4 sec. — Silent interval, 8 sec. — Blast, 4 sec. — Silent interval, 44 sec.
98	Pyramidal white tower; lantern, black. White dwelling 50 feet to NE.	34	1872	.....	.....	
99	Square white tower; lantern, black. White dwelling stands S. and bell-tower to the N.	32	1826	1874	Bell struck by machinery single and double blows alternately, intervals 30 sec.	The light is seen from Wood End Bar, and illuminates the entire horizon. A break has been made in the bluff at a point 3¾ miles N. and W. of Cape Cod Light House through which Long Point Light is visible over the land on the bearing SW. ¼ W.

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SECOND DISTRICT. MASSACHUSETTS.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
				° ′ ″				
100	CAPE COD BAY.	Mayo Beach	At the head of Wellfleet Harbor, Mass.	41 55 (49) 70 02 (05)	Fixed white	Refl'r.	36	.....
101	CAPE COD BAY.	Billingsgate Island	West side of and near the entrance to Wellfleet Harbor, Mass.	41 52 18 70 04 10	Fixed white	4	41½	11½
102	CAPE COD BAY.	Sandy Neck	On S. side of Beach Point, W. side of entrance to Barnstable Harbor, Mass.	41 43 22 70 16 (58)	Fixed white	5	47½	12½
103		CAPE COD	On the highlands, NE. or seaward side of Cape Cod, Mass.	42 02 23 70 03 40	Fixed white	1	183	19½
104		NAUSET BEACH	Three towers at Eastham, on the E. side of Cape Cod, Mass.	41 51 (39) 69 57 (05)	Fixed white	4	97	15½
105					Fixed white	4	97	15½
106					Fixed white	4	97	15½
107		CHATHAM	On the mainland, W. side of Chatham Harbor, Mass.	41 40 18 69 57 01	Fixed white	4	79½	14½
108				41 40 17 69 57 01	Fixed white	4	79½	14½
109	E. ENTRANCE TO NANTUCKET SOUND.	*Pollock Rip Light-Vessel, No. 47*	To the southward of the E. end of Pollock Rip Shoal, about 3½ miles SE. by E. ½ E. from Monomoy Point Light-House, Mass.	41 32 (19) 69 55 (23)	Two fixed red	Refl'r.	37 37	11½
110	E. ENTRANCE TO NANTUCKET SOUND.	MONOMOY POINT	On Monomoy Beach, the southern extremity of Cape Cod, Mass.	41 33 34 69 59 39	Fixed white with a fixed red sector between W. ¼ S. and W. ⅛ N.	4	47	12½
111	E. ENTRANCE TO NANTUCKET SOUND.	*Shovelful Shoal Light-Vessel, No. 3.*	To the eastward of Shovelful Shoal, about ⅞ mile S. ¼ E. from Monomoy Point Light-House, Mass.	41 32 (42) 69 59 (17)	Fixed red	Refl'r.	40	11½
112	E. ENTRANCE TO NANTUCKET SOUND.	*Handkerchief Light-Vessel, No. 4.*	Off the southern point of the Handkerchief Shoal, about 5⅝ miles SW. ⅜ W. from Monomoy Point Light-House, Mass.	41 29 (14) 70 04 (00)	Fixed white	Refl'r.	40	11½
113	E. ENTRANCE TO NANTUCKET SOUND.	*Great Round Shoal Light-Vessel, No. 42.*	To the southward of Great Round Shoal, Mass.	41 24 (10) 69 54 (55)	Two fixed white	Refl'r.	45 45	12

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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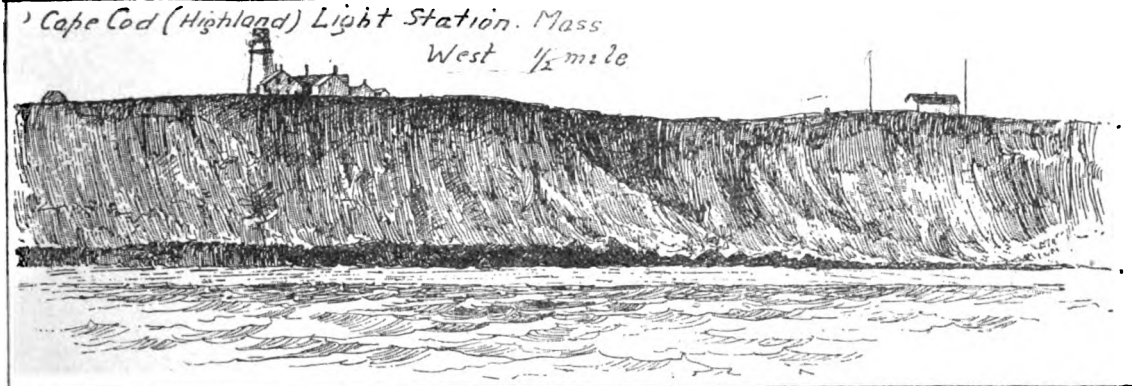
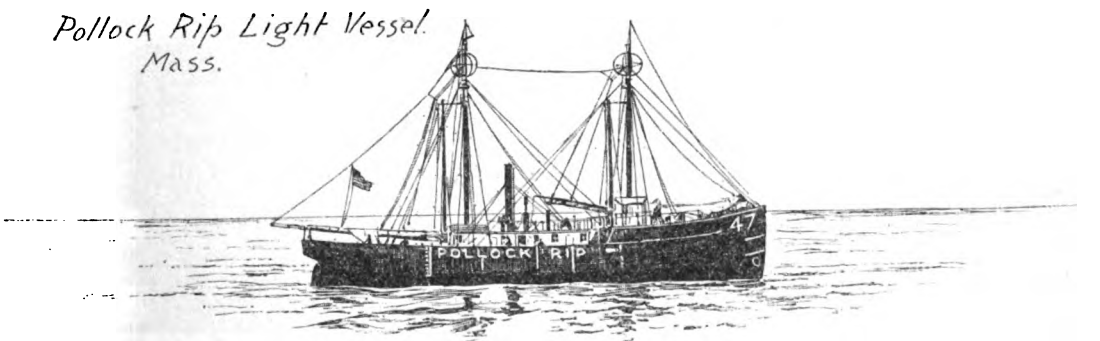
Cape Cod (Highland) Light Station. Mass
West ½ mile

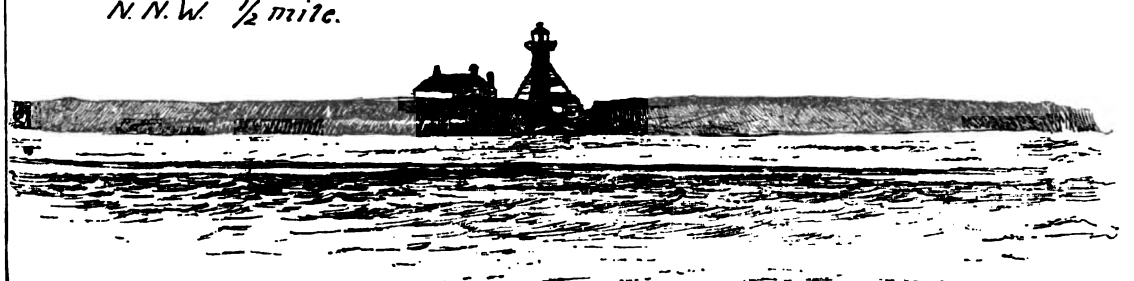


Chathom Light Station Mass.
W. N W 1 mile.

Pollock Rip Light Vessel.
Mass.



Monomoy Point Light Station.. Mass
N. N. W. ½ mile.



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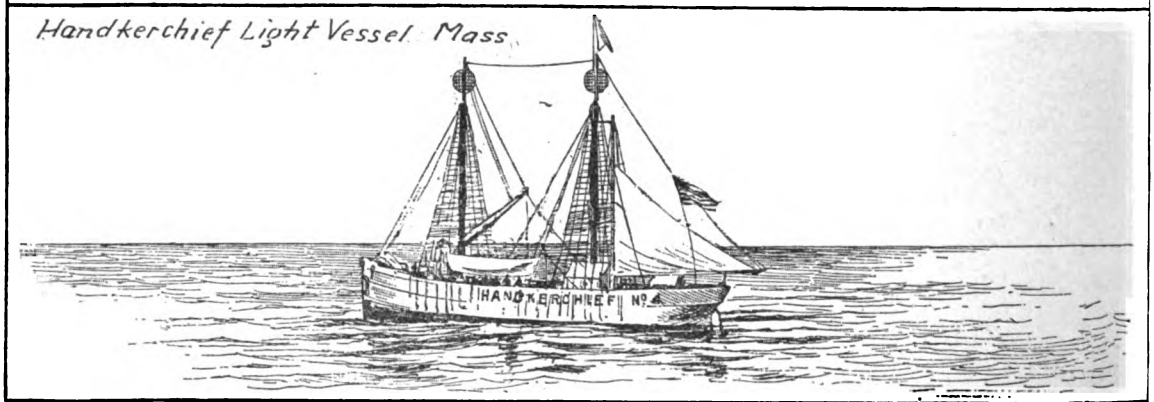
Shovelful Shoal Light Vessel Mass.

Handkerchief Light Vessel Mass.



Nantucket (Great Point) Light Station Mass
SE ½ mile

Gay Head Light Station Mass
South 1 mile

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MASSACHUSETTS. SECOND DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
100	Brown tower; lantern, black. White dwelling, W. of tower, and close to it.	25	1838	1880	.....	Harbor light.
101	Square red tower, connected with dwelling by a short covered way; lantern, black.	33½	1822	1858	.....	Guide to Wellfleet Bay. Billingsgate Island Shoal makes off about 5½ miles, the extremity being marked by a black buoy, which bears WSW. from the light-house. Vessels entering Wellfleet Harbor must go round to SW. of this shoal.
102	White tower; lantern, black. White dwelling, 20 feet W. of tower.	40½	1836	1857	.....	Guide to Barnstable Harbor.
103	White tower and dwellings, connected by white covered ways; lantern, black. White fog-signal house to northeastward of dwelling.	55	1797	1857	1st-class Daboll trumpet; blasts 8 sec., silent intervals 30 sec.	Forty-one and three-quarters miles from Cape Ann Lights, 47 miles from Sankaty Head Light, and 41 miles from Boston Light This is a signal-display station. *Vessels passing this light, and using* INTERNATIONAL CODE SIGNALS, *can communicate with Boston immediately by telegraph.* Trumpet sounds thus: Blast, 8 sec. — Silent interval, 30 sec. — Blast, 8 sec. — Silent interval, 30 sec.
104	Three white conical towers, shingled, 150 feet apart, ranging N. and S.; lanterns, black; dwelling and barn white.	22	1837	1892	.....	Abreast of these lights the tides divide and run in opposite directions.
105		22	1837	1892	.....	
106		22	1837	1892	.....	
107	Two white conical towers 100 feet apart, ranging N. and S.; lanterns, black. White dwelling between the towers. Red brick oil house 90 feet S. from south tower.	42½	1808	1877	.....	A guide in Nantucket Sound and Pollock Rip Slue. Pollock Rip Light-Vessel, S. ¾ W.; E. end of broken part of Pollock Rip, S. by E. There is a signal-display station near the lights.
108		42½	1808	.....	.....	
109	Two masts, schooner-rigged, no bowsprit; red hoop-iron day-mark at each masthead. Hull, red, with "POLLOCK RIP" in large white letters on each side, and "47" on each bow and on stern.	.....	1849	1890	12-inch steam chime whistle; blasts 5 sec., silent intervals 25 sec. If whistle be disabled, a bell will be rung by hand.	Whistle sounds thus: Blast, 5 sec. — Silent interval, 25 sec. — Blast, 5 sec. — Silent interval, 25 sec.
110	Red tower, connected with white dwelling by covered way; lantern, black. Red brick oil house 123 feet NNW. from tower.	34½	1823	.....	.....	This light, just open to the southward of Pollock Rip Light-Vessel, will guide vessels into Nantucket Sound between broken part of Pollock Rip and Twelve-Foot Shoal. The northerly edge of the red sector cuts Northeast Slue Channel Whistling Buoy, and its southerly edge cuts Broken Part of Pollock Rip (north part) Bell Buoy.
111	Two masts, schooner-rigged; no bowsprit, red hoop-iron day-mark at mainmast head. Hull, black, with white stripe, with "SHOVELFUL" in large white letters on each side, and "3" on each quarter.	.....	1852	1879	Bell or horn.....	Position of light-vessel is WNW. ½ W. from Pollock Rip Light-Vessel. Handkerchief Light-Vessel, SW. by W. ½ W.
112	Two masts, schooner-rigged, no bowsprit; black hoop-iron day-mark at each masthead. Hull, straw-color, with the word "HANDKERCHIEF" in large black letters on each side, and "No. 4" on each quarter.	.....	1855	1878	Bell or horn.....	Shovelful Shoal Light-Vessel, NE. by E. ½ E.
113	Two masts, schooner-rigged, no bowsprit; lead-colored iron day-mark at each masthead. Hull, lead-color, with "GREAT ROUND SHOAL" in large black letters on each side and "42" in large black figures on each bow and on the stern.	.....	1890	.....	12-inch steam whistle; blasts 5 sec., silent intervals 55 sec. If whistle be disabled a bell will be rung by hand.	In range with Nantucket (Great Point) Light marks a line passing just to the northward of McBlair Shoal. Sankaty Head Light, SSW. ¾ W., 7¼ miles; Nantucket (Great Point) Light, W. ¾ N., 6⅛ miles; Handkerchief Light-Vessel, NW. ¾ N., 8¼ miles. Whistle sounds thus: Blast, 5 sec. — Silent interval, 55 sec. — Blast, 5 sec. — Silent interval, 55 sec.

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SECOND DISTRICT. MASSACHUSETTS.

Number.		Name.	Locality.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
				° ′ ″				
114	E. ENTRANCE TO NANTUCKET SOUND.	NANTUCKET (Great Point)	On Great Point, the NE. extremity of Nantucket Island, Mass.	41 23 24 70 02 46	Fixed white with a fixed red sector between E. ¾ S. and SE. by E. ½ E.	3	69½	13½
115		SANKATY HEAD	On the SE. part of the island of Nantucket, Mass.	41 17 01 69 57 57	Fixed white, varied by a white flash every minute.	2	166	19
116		*Nantucket New South Shoal Light-Vessel, No. 54.*	Moored in 108 feet of water about 11½ miles SSW. ½ W. of Davis New South Shoal, Mass.	40 46 (30) 69 56 (30)	Two fixed white	Refl'r.	37½ 37½	11½
117		GAY HEAD	On the western point of Marthas Vineyard Island, S. side of W. entrance to Vineyard Sound, Mass.	41 20 55 70 50 08	Flashing white and red; interval between flashes 10 sec.; every fourth flash red.	1	170	19½
118	NANTUCKET SOUND.	Brant Point	On Brant Point, W. side of entrance to Nantucket Harbor, Mass.	41 17 23 70 05 35	Fixed white	4	48½	12½
119		Range. Nantucket Cliff (front)	On the beach NW. of Nantucket Harbor, Mass.	41 17 38 70 06 24	Fixed white	Refl'r.	15½	.....
120		Range. Nantucket Cliff (rear)	On the beach NW. of Nantucket Harbor, Mass.	41 17 36 70 06 25	Fixed red	Refl'r.	26½	.....
121		Stage Harbor	On Harding Beach, W. side of Chatham, Mass.	41 39 32 69 59 03	Fixed white	4	40	11½
122		Bass River	On the N. side of Nantucket Sound, to the eastward of the entrance to Bass River, Mass.	41 39 (06) 70 10 (11)	Fixed white	5	41	11½
123		Bishop and Clerks	On the N. point of Bishop and Clerks Ledge, Mass.	41 34 28 70 15 02	Flashing white with a flashing red sector between N. ½ W. and NNE. ½ E. Interval between flashes 30 sec.	4	56½	13
124		Range. Hyannis	On the mainland, inside of the breakwater, Hyannis Harbor, Mass.	41 38 11 70 17 20	Fixed red	Refl'r.	42½	.....
125		Range. Beacon	On Old Colony R. R. Wharf, Hyannis Harbor, Mass.	41 38 (00) 70 17 (22)	Fixed red	Refl'r.	22	....
126		*Cross Rip Light-Vessel, No. 5*	Moored in 39 feet of water, to the northward of Cross Rip Shoal, 11½ miles NW. by W. from Nantucket (Great Point) Light-House.	41 27 (43) 70 17 (29)	Fixed red	Refl'r.	39	11½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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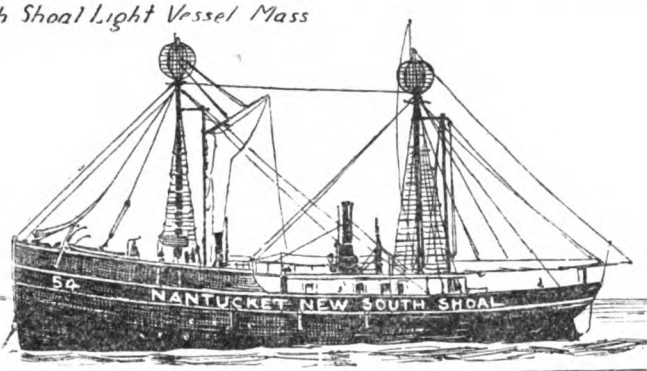
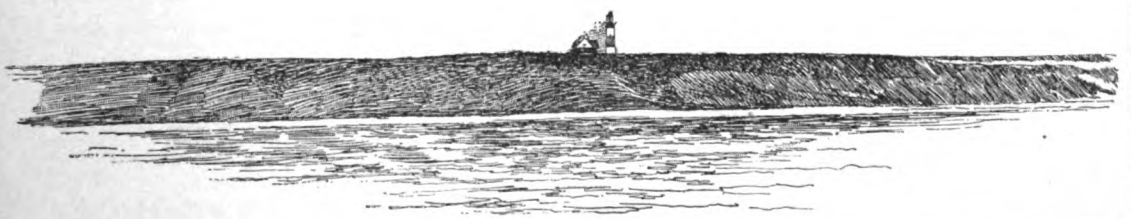
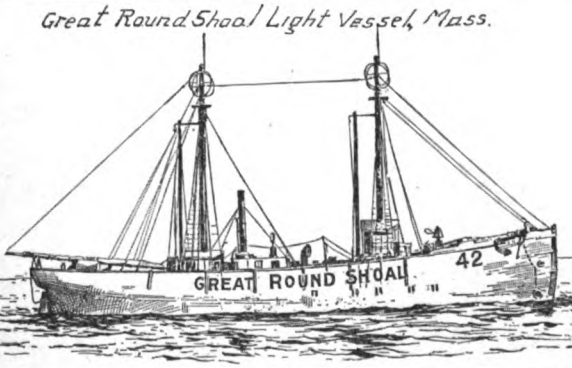
Nantucket New South Shoal Light Vessel Mass



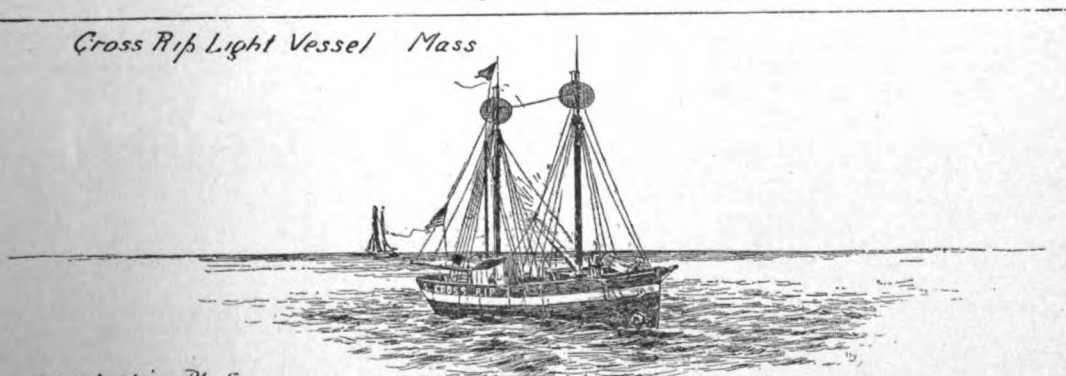
Sankaty Head Light Station Mass
W by N 3/4 mile



Great Round Shoal Light Vessel, Mass.



Cross Rip Light Vessel Mass



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MASSACHUSETTS. SECOND DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
						Handkerchief Light-Vessel, N. ¼ E. Good anchorage inside the point in easterly weather, in from 5 to 8 fathoms of water. The red sector covers Cross Rip and Tuckernuck Shoals. Too much dependence must not be placed upon the red sector as a guide to clear Cross Rip Shoal, as the light can not be seen at Cross Rip Shoal if the weather is at all hazy.
114	White tower with covered way and white frame dwelling, lantern black. Small white oil house to southward of dwelling.	65½	1784	.....	.....	This is a signal-display station, connected with Nantucket by telephone.
115	Tower, white near the top and bottom, with red band in the middle; lantern, black. A white, framed, double dwelling and barn near southerly side of tower. Red brick oil house 170 feet N. of tower.	62	1849	.....	.....	Cape Cod Light, 47 miles. This is a signal-display station, connected with Nantucket by telephone.
116	Two masts, schooner-rigged, and no bowsprit. The mastheads are white, and at each there is a red, circular, iron cagework day-mark. The hull is red, with "NANTUCKET NEW SOUTH SHOAL" in large white letters on each side and "54" in large white figures on each bow. A black smoke-stack and the fog signal are between the masts.	.....	1854	1892	12-inch steam whistle; alternate blasts of 2 sec. and 6 sec.; alternate silent intervals of 28 sec. and 24 sec. If whistle be disabled a bell will be rung by hand.	Tom Nevers Head, N. ¼ E., 28 miles; Davis New South Shoal, NNE. ¼ E., 11½ miles; Sandy Hook Light-Vessel, W. ¾ N., 178 miles; Block Island (SE.) Light, NW. by W. ½ W., 76 miles. Whistle sounds thus: Blast, 2 sec.; Silent interval, 28 sec.; Blast, 6 sec.; Silent interval, 24 sec.
117	Red tower and dwelling, connected by a short covered way; lantern, black. Barn and sheds, white. Red brick oil house, near bluff, northwesterly from tower.	40	1799	1856	.....	A guide to Vineyard Sound and Buzzards Bay; 49 miles from Montauk Point Light, and 29 miles from Point Judith Light. A rocky shoal, distant 1½ miles, lies northwesterly from this light. Cuttyhunk Light, NW. ¼ N., 6½ miles. Vineyard Sound Light-Vessel distant about 7⅝ miles. This is a signal-display station, connected with Vineyard Haven by telephone.
118	White tower and dwelling connected by a short covered way; lantern, black.	43¾	1746	1856	....	Great Point Light, NNE. ¾ E.; Nantucket Cliff Range Lights, NW. by W.; Cross Rip Light-Vessel, NNW. ½ W.
119	Two small white pyramidal structures, with red roofs, about 300 feet apart, ranging SSW. ½ W and NNE. ½ E.	11	1838	.....	....	Brant Point Light, SE. by E. This harbor should not be entered in the night without a pilot, and in the daytime the buoys are the only sure guides, as the bar is constantly changing, and they are moved as required.
120		23½	1838	.....	....	
121	Brown tower; lantern, black; brown dwelling, 50 feet S. of tower.	36½	1880	.....	.....	This light, in range with Chatham N. Light, will carry clear of Common Flats to anchorage.
122	Black lantern on white dwelling.....	30	1854	.....	.....	Guide to the anchorage inside the breakwater.
123	Gray granite tower, with lead-colored fog-bell tower attached to the W. side; lantern, black.	59½	1858	.....	Bell struck by machinery every 15 sec.	Point Gammon old tower, N. ½ W., 2¼ miles. The ledge extends 1½ miles, nearly N. and S.; Bass River Light NE. ¾ E. The red sector covers Cross Rip and Tuckernuck Shoals.
124	White tower and dwelling connected by a short covered way; lantern, black.	19¾	1849	.....	.....	These lights form a range for entering the harbor. Hyannis Light open one-quarter point to the eastward of the range beacon gives a berth to the east end of the breakwater. After passing the breakwater, the two lights in range carry to the railroad wharf.
125	Small frame shed, painted lead-color..	15	1885	.....	.....	There is a signal-display station 200 feet from the light-house.
126	Two masts, schooner-rigged; white hoop-iron day-mark at each masthead. Hull, black, with white stripe, and "CROSS RIP" in white letters on each side, and "5" on each quarter.	.....	1864	.....	Bell or horn	

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SECOND DISTRICT. MASSACHUSETTS.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet	Distance visible, in nautical miles.
				o ′ ″				
127	NANTUCKET SOUND.	*Succonnesset Shoal Light-Vessel, No. 6.*	Moored about 2⅝ miles southeasterly of Succonnesset Point, in mid-channel in 36 feet of water, between Succonnesset Shoal and Eldridge Shoal, Mass.	41 31 (56) 70 26 (15)	Fixed white	Refl'r	40	11½
128		Cape Poge	On NE. point of Chappaquiddick Island, the easterly part of Marthas Vineyard, Mass.	41 25 16 70 27 06	Fixed white.....	4	53½	12½
129	VINEYARD SOUND.	Edgartown	North side of the inner harbor of Edgartown, Mass.	41 23 27 70 30 13	Fixed white.....	4	48	12½
130		East Chop	On East Chop, E. side of entrance to Vineyard Haven Harbor, Mass.	41 28 (13) 70 34 (05)	Fixed white.	4	79	14½
131		West Chop.....	On West Chop, W. side of entrance to Vineyard Haven Harbor, Mass.	41 28 51 70 36 01	Fixed white, with a fixed red sector between WNW. and N. by W. ½ W.	4	83½	14½
132		Nobska Point....	On ESE. side of entrance to Woods Holl Harbor, Mass.	41 30 57 70 39 20	Fixed white, with a fixed red sector, between W. ½ N. and NW. by W. ⅝ W.	4	86½	15
133		Tarpaulin Cove	West side of the cove on Naushon Island, Mass.	41 28 08 70 45 29	Fixed white, varied by a white flash every 30 sec.	4	77½	14½
117		GAY HEAD	On the western point of Marthas Vineyard Island, S. side of W. entrance to Vineyard Sound, Mass.	41 20 55 70 50 08	Flashing white and red; interval between flashes 10 sec.; every fourth flash red.	1	170	19½
134		*Vineyard Sound Light-Vessel (Sow and Pigs). No. 41.*	Moored in 96 feet of water, about 1⅞ miles southwesterly of the rocks called Sow and Pigs, N. side of western entrance to Vineyard Sound, Mass.	41 22 (47) 71 00 (00)	Two fixed red.	Refl'rs.	34 34	11
135		*Hen and Chickens Light-Vessel, No. 2.*	Moored in 54 feet of water, about 1 mile to the southward and eastward of the rocky reef making off from Gooseberry Neck, NW. side of entrance to Buzzards Bay, Mass.	41 27 (02) 70 01 (06)	Fixed white	Refl'r.	25	10

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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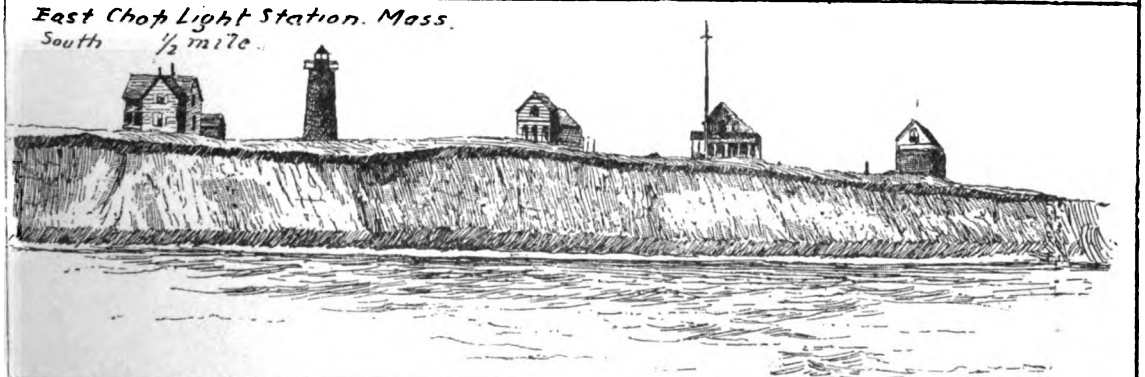
Bishop and Clerks Light Station Mass
S.E. 1/4 mile.

Cape Poge Light Station Mass.
West 1/2 mile.

East Chop Light Station. Mass.
South 1/2 mile.



West Chop Light Station Mass.
S W. 1/2 mile

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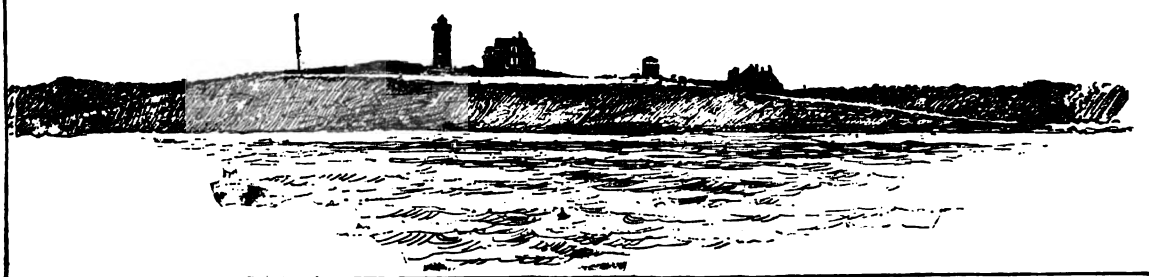
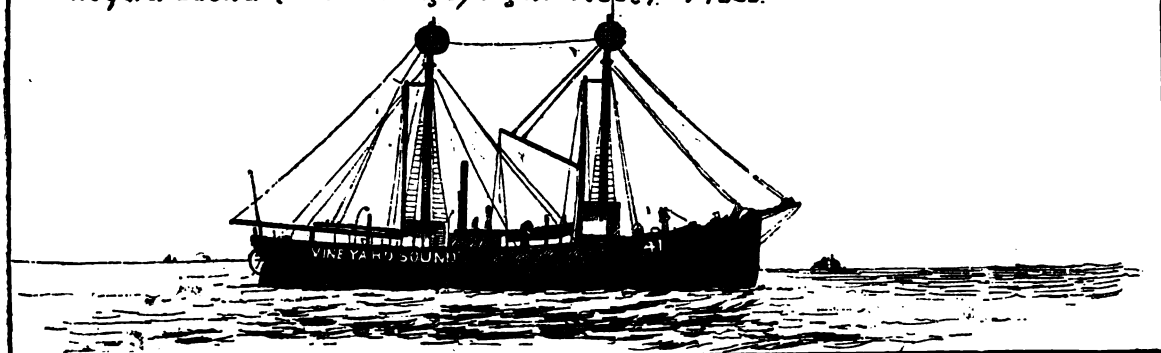
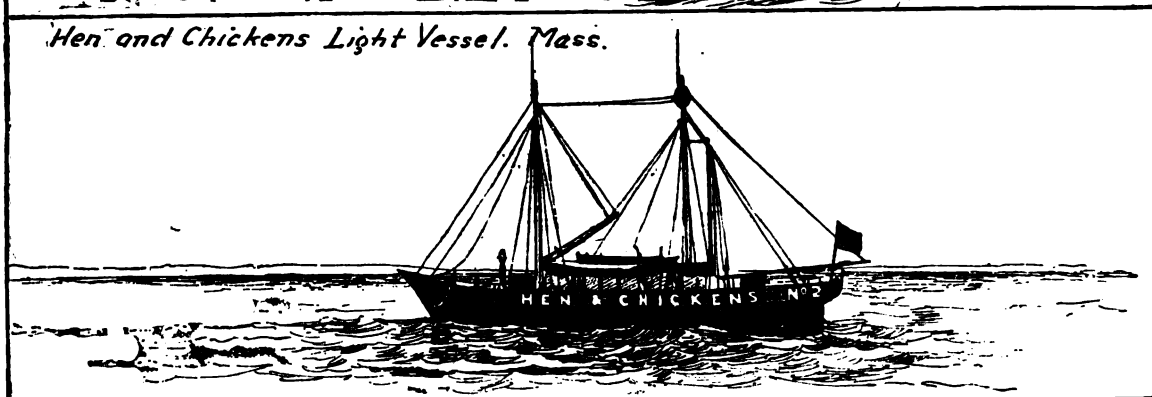
Nobska Point Light Station. Mass.
N by W ½ mile.



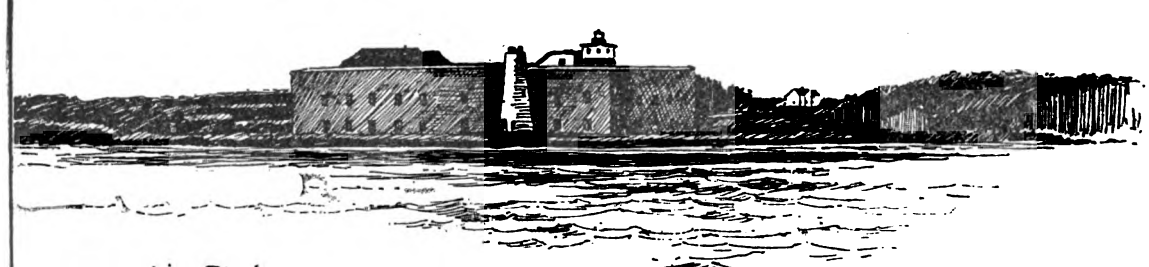
Vineyard Sound (Sow and Pigs) Light Vessel. Mass.



Hen and Chickens Light Vessel. Mass.



Clark Point Light Station. Mass.
N.N.W. ½ mile.



N.L. Stebbins Photo

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MASSACHUSETTS. SECOND DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
127	Two masts, schooner-rigged; red hoop-iron day-mark at mainmast head. Hull, straw-color, with the word "SUCCONNESSET" in large black letters on each side, and "6" on each quarter.	.....	1864	1880	Bell or horn	Cape Poge Light, S. by W. ½ W.; West Chop Light, W. by S.; Nobska Point Light, W. ½ N.
128	White conical wooden tower, shingled; lantern, black. A white double dwelling southerly of tower.	34½	1801	1857	.....	Marks the southern side of the eastern entrance to Vineyard Sound. Nobska Point Light, NW. ½ W.; Cross Rip Light-Vessel, E. ½ N.
129	Black lantern on white dwelling. A bridge, ¼ mile long, connects station with the shore.	36	1828	.....	.....	On starboard hand entering harbor. Good anchorage SW. of the light. Cape Poge Light, NE. by E. ½ E.
130	Brown tower; lantern, black. Dwelling and wood shed, white.	35½	1876	1877	.....	Serves as a guide to vessels bound through the sound, or entering Vineyard Haven from the eastward, after passing through the Cross Rip Slue.
131	Cylindrical red brick tower, with brick service room attached; lantern, black; two white dwellings. Fog-signal house, white, with red roof, stands about 100 feet NE. of tower.	50½	1817	1891	10-inch steam whistle; blasts 3 sec., silent intervals 27 sec.	A guide through the sound and to Vineyard Haven Harbor. The red sector covers Squash Meadow and Norton Shoal. Whistle sounds thus: Blast, 3 sec. — Silent interval, 27 sec. — Blast, 3 sec. — Silent interval, 27 sec.
132	Brown tower; lantern, black. A brown dwelling, with white trimmings, stands 40 feet E. of the tower. Bell tower, 320 feet SW. of tower.	35	1828	1876	Bell struck by machinery, single and double blows alternately, with intervals of 30 sec.	Leading mark in running through Vineyard Sound. The red sector covers Hedge Fence and L'Homme Dieu Shoal. This is a signal-display station, connected with Woods Holl by telephone.
133	White tower; lantern, black; white dwelling and barn; pyramidal shingled bell tower at water's edge, westerly from light-house.	34½	1817	1891	Bell struck by machinery every 15 sec.	This light may be seen from Gay Head, bearing NE. ¾ N. Good anchorage in northerly winds. There is a signal-display station near the light-house.
117	Red tower and dwelling, connected by a short covered way; lantern, black. Barn and sheds white. Red brick oil house, near bluff, northwesterly from tower.	40	1799	1856	.....	A guide to Vineyard Sound and Buzzards Bay; 49 miles from Montauk Point Light, and 29 miles from Point Judith Light. A rocky shoal, distant 1½ miles, lies northwesterly from this light. Cuttyhunk Light, NW. ¾ N., 6½ miles; Vineyard Sound Light-Vessel, distant about 7⅝ miles. This is a signal-display station, connected with Vineyard Haven by telephone.
134	Two masts, schooner-rigged; red hoop-iron day-mark at each masthead. Hull red, with "VINEYARD SOUND" in large white letters on each side, and "41" on each bow.	....	1854	1876	12-inch steam whistle; blasts 6 sec., silent intervals 45 sec. If whistle be disabled a bell will be rung by hand.	Dumpling Rock Light, NNE. ¾ E., easterly; Cuttyhunk Light, NE. by E. ½ E., easterly, nearly 3½ miles; Gay Head Light, SE. by E. ¾ E. A dangerous rock, called Ribbon Reef, lies on the range between this vessel and Dumpling Rock Light, about 3½ miles from the vessel, marked by a red and black horizontal-striped buoy. The flood tide flows to the eastward and the ebb tide to the westward, with a velocity of from 1 to 5 miles an hour. Too much attention can not be given to this in going through the sound at night. Whistle sounds thus: Blast, 6 sec. — Silent interval, 45 sec. — Blast, 6 sec. — Silent interval, 45 sec.
135	Two masts, schooner-rigged and no bowsprit; black hoop-iron day-mark at mainmast head. Hull, black, with "HEN AND CHICKENS" in large white letters on each side, and "No. 2" on each quarter.	.....	1866	.....	Bell or horn	Old Cock Spindle, NNW. ½ W., 1 mile.

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SECOND DISTRICT. MASSACHUSETTS.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
			° ′ ″				
136	Cuttyhunk	On SW. point of Cuttyhunk Island, SE. side of entrance to the bay, Mass.	41 24 (52) 70 57 (00)	Fixed white	5	61	12½
137	Dumpling Rock	Off Round Hill, NW. side of bay, SSW. ⅛ W. of Clark Point Light and New Bedford, Mass.	41 32 18 70 55 19	Fixed white, with a fixed red sector between NE. ¼ N. and NE. ¾ E.	5	48	12½
138	Clark Point	On fort at Clark Point, W. side of entrance to New Bedford Harbor, Mass.	41 35 36 70 54 07	Fixed white, with a fixed red sector between NNW. and N. ¼ W., and another between N. by E. ¼ E. and NE.	5	64	12½
139	Palmer Island	West side of entrance to New Bedford Inner Harbor, on NE. extremity of Palmer Island, Mass.	41 37 37 70 54 35	Fixed white	5	34½	11
140	Fairhaven Bridge (*see Remarks*).	On bridge between New Bedford and Fairhaven, Mass.	41 38 (20) 70 55 (08)	Twinkling red every 5 sec.	Refl'r	24	.....
141	Wamsutta Mill	On the tower of Mill No. 3 of the Wamsutta corporation, New Bedford, Mass.	41 38 (54) 70 55 (35)	Fixed white	Electric.	91½	.....
142	Ned Point	Northeast side of Mattapoisett Harbor, E. of New Bedford, NW. side of the bay, Mass.	41 39 (03) 70 47 (46)	Fixed white	Lens lantern.	40½	.....
143	Bird Island	East side of entrance to Sippican Harbor, off Sippican Neck Point, W. side of the bay, Mass.	41 40 (10) 70 43 (04)	Fixed white, varied by a white flash every 80 sec.	5	37	11½
144	Wings Neck	On the SW. point of Wenaumet Neck, near the head of the bay, N. side of entrance to Pocasset Harbor, Mass.	41 40 (49) 70 39 (42)	Fixed white	5	49½	12½

BUZZARDS BAY

THIRD DISTRICT. RHODE ISLAND.

145	Sakonnet	On Little Cormorant Rock, mouth of the Sakonnet River, near Sakonnet Point, R. I.	41 27 (10) 71 12 (09)	Fixed white for 30 sec., followed by three red flashes at intervals of 10 sec.	4	70	14

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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MASSACHUSETTS. SECOND DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
136	Conical, white, shingled tower with black lantern; connected by a white covered way with a white frame dwelling.	39½	1823	1891	.....	Clark Point Light, NNE., 11 miles; Dumpling Rock Light, N. by E. ½ E.
137	Black lantern on white frame tower attached to NE. corner of white frame dwelling. Bell tower about 100 feet S. of light-house.	35	1828	1889	Bell struck by machinery, alternately a single and a double blow, with intervals of 30 sec.	Clark Point Light, NNE. ¾ E. In going up the bay in the main ship-channel this light should be left 1 mile on the port hand, to clear a sand spit which bears from the light SSE., ¾ mile distant. Great Ledge (east side) Buoy (black, No. 7), E. ¼ S., 1½ miles; Cuttyhunk Light, S. by W. ½ W. The southeasterly edge of the red sector cuts Mishaum Ledge Bell Buoy (black); its northwesterly edge is tangent to Mishaum Point and the sector covers Mishaum Ledge.
138	Light on fort	59	1800	1869	.....	Cuttyhunk Light, SSW., 11 miles. The southeasterly red sector covers Hursell, Phinney, Church, and Decatur Rocks, and North Ledge. Its easterly edge passes to the eastward of Hursell Rock Buoy (red and black horizontal striped spar) and North Ledge (NE. part) Buoy No. 3A (black spar). Its westerly edge passes about ¼ mile to the westward of Phinney Rock Buoy No. 1A (black spar) and quite close to the westward of Church Rock Buoy No. 6A (red spar) and Decatur Rock Buoy No. 8 (red spar). The southwesterly red sector covers Wilkes Ledge and the Sandspit, and the rocks to the northward of Dumpling Rock Light. The easterly edge of the sector passes about ¼ mile to the eastward of Wilkes Ledge Buoy (red and black horizontal striped first-class can) and its westerly edge cuts Swifts Rocks Buoy, No. 4 (red spar).
139	White tower and dwelling, connected by causeway 100 feet long; lantern, black.	34	1849	.....	.....	Clark Point Light, S.; Egg Island Beacon, SSE. $\frac{7}{16}$ E.
140	White wooden structure, with red roof.	18½	1887	.....	.....	With Palmer Island Light, forms a range to clear Butler Flat. *Lighted only in case of accidental extinguishment of Wamsutta Mills Light.*
141	.....	.....	1891	.....	.....	On the northerly prolongation of the range line marked by Palmer Island and Fairhaven Bridge Lights to clear Butler Flat.
142	White tower and dwelling; lantern, black.	33½	1847	.....	.....	Nye Ledge Buoy, S. by E. ¾ E. A guide to Mattapoisett Harbor.
143	White tower and white frame dwelling; lantern, black.	31	1819	1889	.....	A guide to Wareham, Sippican Harbor, and up the bay. Wings Neck Light, E. $\frac{5}{16}$ N.; Sippican Lower Wharf, NW. by N.
144	White, hexagonal, frame tower 20 feet SW. from white frame dwelling; lantern, black.	32¾	1849	1889	.....	A guide to the head of Buzzards Bay, and towards Pocasset. Bird Island Light, W. $\frac{5}{16}$ S.

RHODE ISLAND. THIRD DISTRICT.

145	White conical tower on brown cylindrical foundation; lantern, black.	43	1884	.....	.....	Sachuest Point, NW. ¾ W., 2¼ miles; Schuyler Ledge Buoy, S. by E., ¾ mile; Brenton Reef Light-Vessel, W. ½ N., 7⅞ miles.

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THIRD DISTRICT. RHODE ISLAND.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in fe	Distance visible, in nau tical miles.
			° ′ ″				
146	*Brenton Reef Light-Vessel, No. 11*	Moored in about 88 feet of water, about 1 mile southwesterly from the reef making off from Brenton Point, entrance to Narragansett Bay.	41 25 (52) 71 22 (36)	Two fixed white	Refl'r.	50 40	12½ 11½
147	BEAVERTAIL	On S. point of Conanicut Island, between the two entrances to Narragansett Bay, R. I.	41 26 58 71 24 00	Fixed white	3	68	13
148	Castle Hill	On W. side of Castle Hill, R.I., E. side of eastern passage into Narragansett Bay.	41 27 (44) 71 21 (48)	Flashing red every 30 sec.	5	42	11
149	Fort Adams Fog-Signal Station.	On N. end of dock at Fort Adams, Newport Harbor, R. I.	41 28 (53) 71 20 (15)	.....	.....	.....	.....
150	Lime Rock	On rock S. side of S. entrance to Newport Harbor, R. I.	41 28 39 71 19 35	Fixed red	6	30	7
151	Newport Harbor (Goat Island)	On the N. end of the breakwater making out from the N. end of Goat Island, Newport Harbor, R. I.	41 29 36 71 19 39	Fixed white 15 sec., eclipse 5 sec.	4	33	11
152	Rose Island	On the SW. point of Rose Island, R. I.	41 29 44 71 20 36	Fixed red	6	50	7
153	Dutch Island	On S. end of Dutch Island, R. I.	41 29 48 71 24 17	Fixed white	4	56	13
154	Gull Rocks	On Gull Rocks, N. entrance to Newport Harbor, R. I.	41 30 09 71 20 01	Fixed red (E. light) Fixed white (W. l't)	Tub'lar lantern.	44	.....
155	Gould Island	On E. side of Gould Island, about $\frac{2}{10}$ mile from its N. end, R. I.	41 32 03 71 20 37	Flashing white every 10 sec.	5	53	12
156	Conanicut Island	On North Point, N. end of Conanicut Island, R. I.	41 34 25 71 22 20	Fixed red	5	47	8
157	Wickford Harbor	On Old Gay Rock, in Wickford Harbor, R. I.	41 34 22 71 26 14	Fixed white	5	52	12
158	Prudence Island	On Sand Point, E. side of Prudence Island, R. I.	41 36 21 71 18 14	Fixed white	5	30	11
159	*Hog Island Shoal Light-Vessel, No. 12.*	Off the extremity of the shoal making off from the SE. point of Hog Island, R. I.	41 37 (49) 71 16 (20)	Fixed white	Refl'r.	38	11½
160	Muscle Bed Shoals	On SE. side of the channel opposite to Bristol Ferry Light, R. I.	41 38 (11) 71 15 (57)	Fixed red	6	35	7

NARRAGANSETT BAY AND TRIBUTARIES.

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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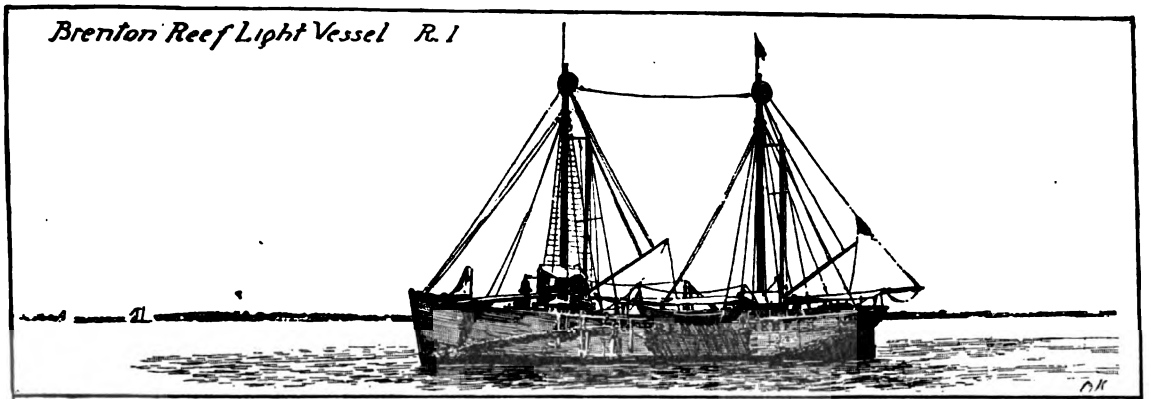
Brenton Reef Light Vessel R. I



Beaver Tail Light Station R. I.
N.E by N 1/4 mile.

Point Judith Light Station. R. I.
W.N.W 1/2 mile

Block Island (S.E) Light Station. R I
W by S 3/4 mile

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RHODE ISLAND. THIRD DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
146	Two masts, schooner-rigged; circular black cagework day-mark at each masthead. Hull, straw-color, with "BRENTON REEF" in large black letters on each side, and "11" in large black figures amidships on starboard side, and on the quarter on port side.	....	1850	.....	Bell or gong rings continuously about 10 sec., silent intervals about 30 sec.	Marks the approach to Narragansett Bay. Castle Hill Light, NNE. ½ E., 1⅞ miles; Sakonnet Light, E. ½ S., 7⅞ miles; Point Judith Light, SW. by W. $\frac{5}{16}$ W., 6⅝ miles; Whale Rock Light, NW. by W. ⅜ W., 2⅜ miles; Beavertail Light, NW. by N., 1½ miles. Bell sounds thus: Ring, about 10 sec. — Silent interval, about 30 sec. — Ring, about 10 sec. — Silent interval, about 30 sec.
147	Square granite tower, attached to SE. angle of white dwelling.	45½	1761	1856	10-inch steam whistle; blasts 4 sec., alternate silent intervals of 10 and 50 sec.	A guide through the Eastern Passage of Narragansett Bay to Newport Harbor, and through W. channel to Providence. Whistle sounds thus: Blast, 4 sec. — Silent interval, 10 sec. — Blast, 4 sec. — Silent interval, 50 sec.
148	Conical granite tower on granite pier; lantern black.	.....	1890	.....	.....	A guide through the Eastern Passage of Narragansett Bay to Newport Harbor.
149	Square pyramidal frame tower, base painted white, upper part shingled, natural color.	.....	1889	.....	Bell struck by machinery every 10 sec.	
150	Lantern on NW. corner of white dwelling.	13	1854	.....	.....	To guide vessels through the S. entrance. There is bold water off the Lime Rocks, but a long spit makes out from the S. end of Goat Island.
151	White stone tower and attached dwelling.	29	1823	1865	Bell struck by machinery every 15 sec.	To guide through the N. entrance to Newport Harbor.
152	Black lantern on white dwelling, with Mansard roof.	30	1869	.....	Bell struck by machinery, a double blow every 15 sec.	To guide through the Eastern Passage, up the bay and to Newport Harbor.
153	Square white tower and attached dwelling.	35	1826	1857	Bell struck by machinery every 15 sec.	To guide through the Western Passage of Narragansett Bay and to Dutch Island Harbor.
154	Wedge-shaped wooden building, with truncated gable ends.	33	1887	.....	Bell struck by machinery every 5 sec.	Lights exhibited above gable ends of building, and range about ENE. ¾ E. and WSW. ¾ W.
155	Conical red-brick tower, surmounted by a black lantern. Keeper's dwelling—first story, red brick; second story and roof, shingled, natural color; stands 30 feet southerly of tower.	30	1889	.....	Bell struck by machinery every 15 sec.	To guide through the Eastern Passage of Narragansett Bay.
156	Square wooden tower on corner of frame dwelling. Tower and dwelling, white; lantern, black.	37	1886	.....	Bell struck by machinery, a double blow every 30 sec.	Wickford Harbor Light, W. ¼ N., 2⅞ miles; Warwick Light, N. ⅝ E., 5½ miles.
157	Square white tower and attached dwelling standing on a red iron pier; lantern, black.	42	1882	.....	Bell struck by machinery every 20 sec.	To guide through Western Passage, up the bay, and to Wickford.
158	White octagonal tower.....	25	1852	.....	Bell struck by machinery every 15 sec.	A guide through Eastern Passage and to Fall River.
159	Two masts, schooner-rigged; square black cagework day-mark at foremast head. Hull lead-color, with "HOG ISLAND SHOAL" in large black letters on each side, and "No. 12." in black, on each quarter.	.....	1886	.....	Bell.....	A guide into Bristol Harbor and Mount Hope Bay. Muscle Bed Shoals Light, ENE. $\frac{7}{8}$ E., ⅝ mile; Bristol Ferry Light, NE. ½ E., ⅞ mile; Southwest Point, Hog Island, NW. ⅝ W., nearly ¾ mile.
160	Lantern on gable of small red dwelling, standing on square granite pier.	19	1873	1877	Bell struck by machinery every 20 sec.	A guide through Bristol Ferry Channel. Bristol Ferry Light, N. ⅝ E., about ⅝ mile; Prudence Island Light, SW. by W. ½ W., about 2½ miles.

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THIRD DISTRICT. RHODE ISLAND AND MASSACHUSETTS.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nautical miles.
				° ′ ″				
161	NARRAGANSETT BAY AND TRIBUTARIES.	Bristol Ferry	On Bristol Ferry Point, N. side of entrance to Mount Hope Bay, R. I.	41 38 35 71 15 39	Fixed white	6	35	11
162		Warwick	On S. extremity of Warwick Neck, R. I.	41 40 01 71 22 43	Fixed white	4	54	13
163		Borden Flats	On Borden Flats, Mount Hope Bay, opposite Fall River, Mass.	41 42 (21) 71 10 (20)	Fixed red	5	50	8½
164		Conimicut	On end of Conimicut Sand Spit, W. side of entrance to Providence River, R. I.	41 43 02 71 20 (46)	Fixed white	4	60	15
165		Bullock Point	At the point of the shoal off Bullock Point, Providence River, R. I., E. side of channel.	41 44 16 71 22 (13)	Fixed red	6	50	7½
166		Sabine Point	In Providence River, R. I., on the shoal off Sabine Point, near the eastern edge of the channel.	41 45 44 71 22 (32)	Fixed white	6	51	11
167		Pomham Rocks	In Providence River, R. I., near eastern edge of the channel.	41 46 39 71 22 (12)	Fixed red	6	60	7½
168		Fuller Rock	In Providence River, R. I., opposite Field Point, near eastern edge of the channel.	41 47 38 71 22 (48)	Fixed white	6	28	10
169		Sassafras Point	Off Sassafras Point, Providence River, R. I., western side of channel.	41 49 (00) 71 23 (30)	Fixed red	6	25	7½
170		Whale Rock	On Whale Rock, W. side of entrance to Western Passage of Narragansett Bay, R. I.	41 26 40 71 25 27	Fixed red	4	73	11½
171		POINT JUDITH	On extremity of Point Judith Neck, W. point of entrance to Narragansett Bay, R. I.	41 21 40 71 28 55	Flashing white every 15 sec.	4	67	14
172		BLOCK ISLAND (N.)	On Sandy Point, the N. extremity of Block Island, R. I., easterly entrance to Block Island Sound.	41 13 40 71 34 35	Fixed white	4	61	13½
173	Range.	Block Island Breakwater (front).	On extremity of Government Pier, W. side of entrance into Basin Harbor, on E. side of Block Island, R. I.	.....	Fixed red	Tub'lar lantern	12	.....
174	Range.	Block Island Breakwater (rear).	On the land back of inner edge of Basin Harbor, R. I.	.....	Fixed red	Tub'lar lantern	60	.....
175		BLOCK ISLAND (SE.)	On Mohegan Bluffs, on SE point of Block Island, R. I.	41 09 10 71 33 08	Fixed white	1	204	21
176		WATCH HILL	On Watch Hill Point, R. I., 3 miles southeasterly of Stonington, Conn.	41 18 14 71 51 32	Fixed white	4	62	13

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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RHODE ISLAND AND MASSACHUSETTS. THIRD DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
161	Square white tower, and dwelling attached; lantern, black.	28	1855	...	.....	To guide to Fall River.
162	Square white tower on old stone dwelling, detached frame dwelling to northward.	28	1826	1889	Bell struck by machinery, a single and a double blow alternately; intervals 20 sec.	The light can be seen after passing Dutch Island Light or Newport Harbor Light.
163	White conical tower on brown cylindrical foundation: lantern, black.	35	1881	.....	Bell struck by machinery every 15 sec.	
164	White conical tower on brown cylindrical foundation.	60	1868	1883	Bell struck by machinery every 15 sec.	Marks the entrance to Providence River.
165	Drab dwelling, with gable roof, from the middle of which rises a square tower, surmounted by black lantern with black railings. The structure stands on a rectangular granite pier.	35	1872	1876	.....	
166	White octagonal tower; on granite dwelling with Mansard roof; lantern, black. The structure stands on a pier of rock-faced granite.	36	1872	.....	.....	
167	Square white tower in the center of the front of a dwelling with Mansard roof; lantern, black.	37	1871	.....	.....	Marks the eastern limit of the channel.
168	White portable beacon, hexagonal in form, on a granite pier; lantern, black.	14	1872	.....	.....	
169	White portable beacon, hexagonal in form, on a granite pier; lantern, black.	14	1872	.....	.....	
170	White, conical tower, on red cylindrical foundation; lantern, black.	73	1882	.....	Bell struck by machinery a double blow every 20 sec.	
171	White tower, connected with dwelling.	46	1810	1857	1st-class steam siren; blasts 6 sec., silent intervals 40 sec.	Between and nearly in range with Beavertail and Block Island (N.) Lights. There is a signal-display station here and a life-saving station about 100 yards to the northward of the tower. Siren sounds thus: Blast, 6 sec. — Silent interval, 40 sec. — Blast, 6 sec. — Silent interval, 40 sec.
172	Light-brown tower, on a gray granite dwelling.	46	1829	1867	.....	To guide vessels clear of the low sand point extending about 1½ miles northerly from the lighthouse.
173	Lantern hung on stake standing at end of pier.	12	1876	.....	.....	Range lights for the harbor of Block Island Breakwater. The line of range is tangent with the outer extremity of the detached breakwater.
174	Lantern on mast near small white house, back of the bulkhead of the basin.	48	1876	.....	.....	
175	Octagonal tower, attached to red brick dwelling, with granite trimmings; lantern, black. Fog-signal building 100 feet SE.	52	1874	.....	1st-class steam siren; blasts 4 sec., silent intervals 30 sec.	There is a signal-display station here. Siren sounds thus: Blast, 4 sec. — Silent interval, 30 sec. — Blast, 4 sec. — Silent interval, 30 sec.
176	Gray granite tower, attached to SE. corner of white building.	40	1807	1857	.....	To guide through Fishers Island Sound. There is a life-saving station about 300 yards to the northward.

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THIRD DISTRICT. CONNECTICUT AND NEW YORK.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nautical miles.
177		MONTAUK POINT	On the extreme E. end of Long Island, N. Y.	° ′ ″ 41 04 16 71 51 27	Fixed white, varied by a white flash every 2 minutes.	1	169½	19½
178	LONG ISLAND SOUND AND TRIBUTARIES.	Stonington Breakwater	On E. end of West Breakwater, at the entrance to Stonington Harbor, Conn.	41 19 (31) 71 54 (49)	Fixed red	4	35	11
179		Latimer Reef	On Latimer Reef, Fishers Island Sound, N. Y., about ¼ mile north-northwesterly from East Point, Fishers Island.	41 18 16 71 56 02	Flashing white every 10 sec.	5	56	13
180		*Ram Island Reef Light-Vessel, No. 19.*	Moored in 42 feet of water, to the southward of Ram Island Reef, Fishers Island Sound, N. Y.	41 18 (10) 71 58 (31)	Fixed white	Refl'r.	43	11½
181		Morgan Point	On S. extremity of Morgan Point, near Noank, N. side of Fishers Island Sound, Conn.	41 18 59 71 59 24	Fixed white	6	61	11
182		North Dumpling	On SW. side of North Dumpling Island, Fishers Island Sound, N. Y.	41 17 16 72 01 11	Fixed white, with a fixed red sector between W. ¼ S. through southward to NNE. ¼ E.	5	70½	11½
183		New London Harbor	West side of entrance to Thames River, Conn.	41 19 00 72 05 25	Fixed white with a fixed red sector between N. ¼ E. and NE. ½ E.	4	90	15
184	THAMES RIVER.	Bailey Point Post-Light, No. 2.	On shore at Bailey Point, E. side of the river, Conn.	.....	Fixed red	Tub'lar lantern.	15	.....
185		Scotch Cap Post-Light, No. 1.	On shore at Scotch Cap, W. side of the river, Conn.	.....	Fixed white	Tub'lar lantern.	10	.....
186		Cow Point Post-Light, No. 4.	On shore at Cow Point, E. side of the river, Conn.	.....	Fixed red	Tub'lar lantern.	10	.....
187		Ice House Post-Light, No. 3.	In 14 feet of water, W. side of lower end of Cross-over Channel, opposite the Ice House, Conn.	.....	Fixed white	Tub'lar lantern.	10	.....
188		Bartlett Point Post-Light, No. 5.	On shore at Bartlett Point, W. side of the river, Conn.	.....	Fixed white	Tub'lar lantern.	10	.....
189		Comstock Wharf Post-Light, No. 7.	On a shed on Comstock Wharf, W. side of the river, Conn.	.....	Fixed white	Tub'lar lantern.	10	.....
190		Allyn Point Post-Light, No. 6.	On NW. corner of Allyn Wharf, E. side of the river, Conn.	.....	Fixed red	Tub'lar lantern.	25	.....
191		Long Reach (lower) Post-Light, No. 8.	In 15 feet of water, on E. side of channel, at lower end of Long Reach, Conn.	.....	Fixed red	Tub'lar lantern.	10	.....
192		Long Reach (upper) Post-Light, No. 9.	In 12 feet of water, W. side of channel, at upper end of Long Reach, Conn.	.....	Fixed white	Tub'lar lantern.	10	.....
193		Stoddards Old Dock Post-Light, No. 10.	On Stoddards Old Dock, E. side of the river, Conn.	.....	Fixed red	Tub'lar lantern.	15	...
194		Waldens Island Post-Light, No. 12.	On S. end of Waldens Island, E. side of the channel, Conn.	.....	Fixed red	Tub'lar lantern.	15	.....

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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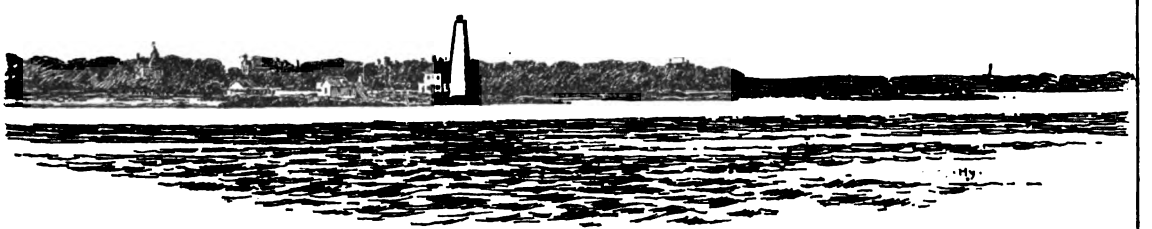
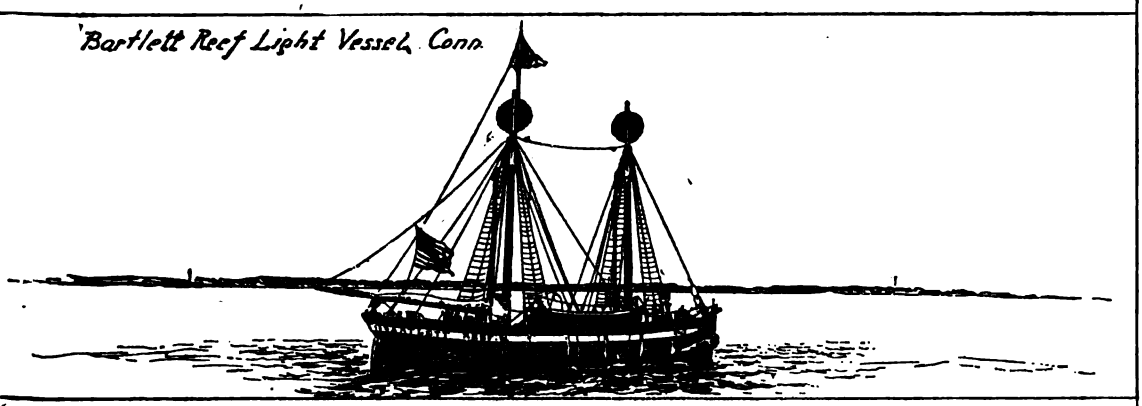
Watch Hill Light Station R I
N.E by N. ½ mile

New London Harbor Light Station Conn.
N by W ½ mile.



Bartlett Reef Light Vessel Conn.



Race Rock Light Station. N.Y.
W.N.W. ¼ mile.

N.L. Stebbins. Photo. Copyright 1892.

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CONNECTICUT AND NEW YORK. THIRD DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
177	White tower; white dwelling on hill near by.	97	1795	1860	1st-class Daboll trumpet; blasts 12 sec., silent intervals 50 sec.	Forty-nine miles from Gay Head Light, 32 miles from Shinnecock Bay Light, and 67 miles from Fire Island Light. There is a life-saving station on the point, about 250 yards to the southward of the tower. Trumpet sounds thus: Blast, 12 sec. — Silent interval, 50 sec. — Blast, 12 sec. — Silent interval, 50 sec.
178	White, conical tower, with octagonal base on masonry foundation forming end of breakwater; lantern, black.	25	1889	.....	Bell struck by machinery a double blow every 30 sec.	To guide into Stonington Harbor.
179	White, conical tower; on brown cylindrical foundation; lantern, black.	44	1884	.....	Bell struck by machinery every 15 sec.	The main channel through Fishers Island Sound lies to the southward of this light. Morgan Point Light, NW. by W. ¾ W., 2¾ miles; Stonington Breakwater Light, NE. ¼ E., 1½ miles; Watch Hill Light, E. by S., 3⅞ miles.
180	Two masts, schooner-rigged; circular red cagework day-mark at each masthead. Hull, straw-color, with "RAM ISLAND" in large black letters on each side, and "No. 19" in black on each quarter.	.....	1886	.....	Bell.....	North Dumpling Light, WSW. ¾ W., 2 7/8 miles; Morgan Point Light, NNW. ¼ W., 1 mile; Latimer Reef Light, E. ¾ S., 1¼ miles, Ram Island Reef Spindle, N. by E. ¼ E., nearly ¼ mile.
181	Light on granite dwelling	44	1831	1867	.....	Harbor light.
182	White tower on dwelling.....	39½	1848	1871	Bell struck by machinery every 15 sec.	The northerly edge of the red sector passes about 300 yards to the southward of Latimer Reef Light and the sector covers East Clump. The westerly edge of the red sector passes to the eastward of Race Rock Light and to the westward of Race Point, Fishers Island.
183	White stone tower attached to white dwelling.	85	1790	1864	1st-class Daboll trumpet; blasts 6 sec., silent intervals 30 sec.	To guide to New London and into the Thames River. The easterly edge of the red sector passes just to the eastward of Sarah Ledge and its westerly edge clears Goshen Point. Trumpet sounds thus: Blast, 6 sec. — Silent interval, 30 sec. — Blast, 6 sec. — Silent interval, 30 sec.
184	Red iron post.....	.....	1892	.....	.....	
185	Black iron post with white top	.....	1892	.....	.....	
186	Red iron post.....	.....	1892	.....	.....	
187	Black three-pile dolphin.....	.....	1892	1893	.....	Scotch Cap Post-Light, SSW. ½ W.; Bartlett Point Post-Light, N. by W. ⅝ W., ⅛ mile.
188	Black post with white top.....	.....	1892	.....	.....	
189	Black bracket on shed on wharf.....	.....	1892	.....	.....	
190	Red post.....	.....	1892	.....	.....	
191	Red three-pile dolphin.....	.....	1892	1893	.....	Allyn Point Post-Light, SSW., ½ mile; point on W. side of river opposite Allyn Point, SW. by W. ¼ W.
192	Black three-pile dolphin.....	.....	1892	1893	.....	Waldens Island Post-Light, N. by E. ⅞ E., ⅞ mile; Allyn Point Post-Light, SW. 9/16 W., 1 3/16 mile.
193	Red post.....	.....	1892	.....	.....	
194	Red post.....	.....	1892	.....	.....	

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THIRD DISTRICT. CONNECTICUT AND NEW YORK.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nautical miles.
			° ′ ″				
195	LONG ISLAND SOUND AND TRIBUTARIES. — THAMES RIVER. — Mohegan Dike Post-Light, No. 14.	On Mohegan Dike, E. side of the channel, Conn.	.....	Fixed red.....	Tub'lar lantern.	10	.....
196	Indian Hill Post-Light, No. 11.	On shore end of Trading Cove Dike, W. side of the river, Conn.	.....	Fixed white.....	Tub'lar lantern.	10	.....
197	Pride Pier Post-Light, No. 16.	In 9 feet of water, on E. side of channel, at the end of Pride Pier, Conn.	.....	Fixed red.....	Tub'lar lantern.	10	.....
198	Burnt House Pier Post Light, No. 18.	In 9 feet of water, on E. side of channel. at the end of Burnt House Pier, Conn.	.....	Fixed red.....	Tub'lar lantern.	10	.....
199	Perche Rock Post-Light, No. 13.	On Perche Rock, W. side of the river, Conn.	.....	Fixed white.....	Tub'lar lantern.	10	.....
200	Sand Pier Post-Light, No 15.	In 8 feet of water, W. side of channel, just outside the jetty and off the N. end of Sunken Pier, Conn.	.....	Fixed white	Tub'lar lantern.	10	.....
201	Lower Coal Dock Post-Light, No. 20.	On E. side of river, nearly opposite Thamesville, Conn.	.....	Fixed red.....	Tub'lar lantern.	15	.....
202	*Bartlett Reef Light-Vessel, No. 13.*	Moored in 78 feet of water, about ¼ mile to the southeastward of the S. point of Bartlett Reef, SW. of the entrance to New London Harbor, Conn.	41 16 (17) 72 07 (50)	Two fixed white.....	Refl'r.	28	10
203	Race Rock.....	On Race Rock, off Race Point, Fishers Island, and N. side of the main easterly entrance to Long Island Sound, N. Y.	41 14 37 72 02 51	Flashing alternately red and white; interval between flashes, 10 sec.	4	68½	14
204	LITTLE GULL ISLAND.....	South side of main easterly entrance to Long Island Sound, N. Y.	41 12 23 72 06 26	Fixed white.....	2	92	17
205	GARDINERS BAY — Gardiners Island	On Gardiners Point, making out to the northward and westward from Gardiners Island, N. Y.	41 08 32 72 08 44	Fixed white	6	33	11
206	Plum Island.....	On W. end of Plum Island, near NE. extremity of Long Island, and N. of Gardiners Bay, N. Y.	41 10 25 72 12 43	Flashing white every 30 sec.	4	76	14
207	Long Beach Bar	Entrance from Gardiners Bay to Orient and Greenport harbors, and to Peconic Bay, Long Island, N. Y.	41 06 33 72 18 23	Fixed red.....	5	54	8½
208	Cedar Island.....	Entrance to Sag Harbor, Long Island, N. Y.	41 02 27 72 15 41	Fixed white	6	45	11
209	Saybrook Breakwater	On S. extremity of W. jetty, mouth of Connecticut River, Conn.	41 15 48 72 20 35	Fixed white with a fixed red sector between E. ¼ N. and ESE. ¼ E.	4	60	13
210	CONNECTICUT RIVER. — Saybrook (Lynde Point).	On Lynde Point, W. side of mouth of Connecticut River, Conn.	41 16 17 72 20 37	Fixed white	5	73	13
211	Calves Island Post-Light.	East side of the river, 2 miles below Essex, Conn.	41 19 26 72 21 (00)	Fixed red.....	Tub'lar lantern.	.....	.....
212	Essex Reef Post-Light.	About ¼ mile below Essex, on Essex Reef, near Hayden Point, W. side of the river, Conn.	41 20 (36) 72 22 (54)	Fixed white	Lens lantern.	23	.....

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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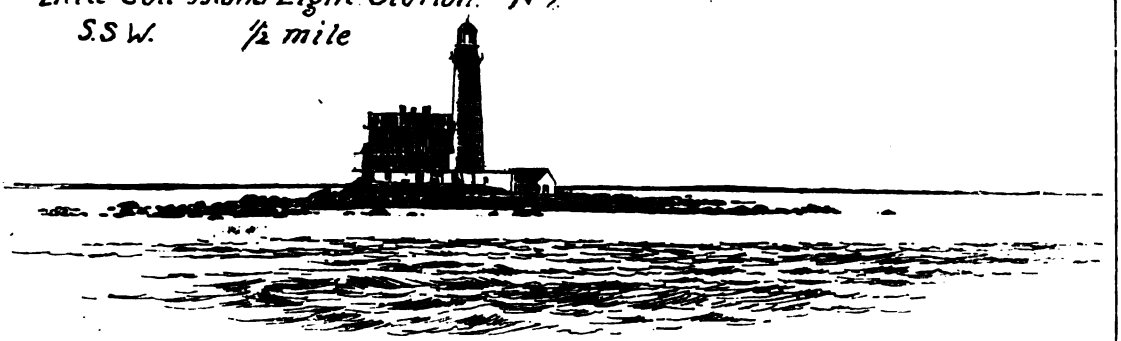
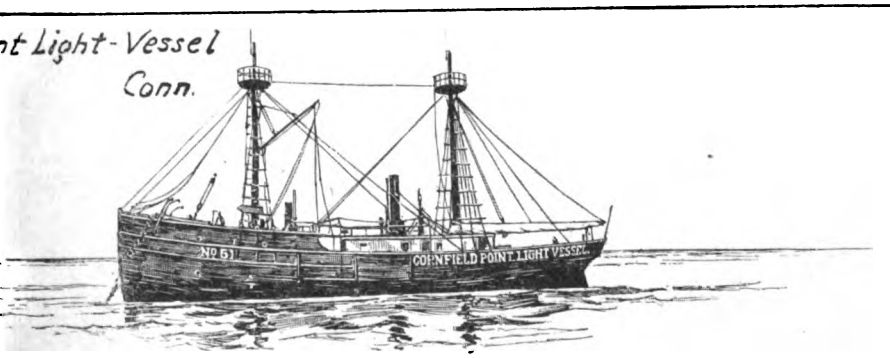
Little Gull Island Light Station. N.Y.
S.S.W. ½ mile



Plum Island Light Station N.Y.
N.E. ½ mile

Saybrook Breakwater and Lynde Point Light Stations, Conn.
North. ½ mile

Cornfield Point Light-Vessel
Conn.



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Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
195	Red iron post	.....	1892	.....	.....	
196	Black iron post with white top	.....	1892	.....	.....	
197	Red three-pile dolphin	.....	1892	1893	.....	Fort Point, S. by E. ½ E., ⅝ mile; Indian Hill Post-Light, S. ⅞ W., $\frac{5}{16}$ mile.
198	Red three-pile dolphin	.....	1892	1893	.....	Pride Pier Post-Light, S. ¾ W., about ½ mile; Perche Rock Post-Light, NNW. ½ W., about ½ mile.
199	Black iron post with white top	.....	1892	.....	.....	
200	Black three-pile dolphin	.....	1892	1893	.....	Perche Rock Post-Light, S., $\frac{13}{16}$ mile.
201	Red post	.....	1892	.....	.....	
202	Two masts, schooner-rigged; circular straw-colored day-mark at each masthead. Hull, black, with white streak; "BARTLETT REEF," in large black letters on each quarter, and "13" in black figures on the white streak on the bend of each bow.	.....	1848	.....	Bell or horn	
203	Tower, square at base and octagonal above, attached to granite dwelling, with gable roof; on conical granite pier, with a landing pier attached; lantern, black.	40	1878	.....	Bell struck by machinery, double blow every 20 seconds.	Race Point, Fishers Island, NE. by E. ¼ E., ½ mile.
204	Gray granite tower, connected with red sandstone dwelling, with Mansard roof and granite trimmings. The buildings stand on a pier of granite.	74	1806	1869	2d-class steam siren; blasts 5 sec., silent intervals, 40 sec.	To mark the eastern entrance to Long Island Sound. Siren sounds thus: Blast, 5 sec. — Silent interval, 40 sec. — Blast, 5 sec. — Silent interval, 40 sec.
205	Dark-brown cylindrical, brick tower, with dwelling attached.	26	1855	.....	.....	To guide clear of northern end of Gardiners Island.
206	White tower, on granite dwelling, lantern, black.	46	1827	1869	Bell struck by machinery every 15 sec.	To guide through Plum Gut and Long Island Sound.
207	Screw-pile structure; piles, red; dwelling and tower, white; lantern, black.	.....	1871	.....	Bell struck by machinery every 15 sec.	Stands in 5 feet of water at mean low tide, on shoal making out southwesterly from Long Beach Point. Should be given a berth of 160 feet.
208	Light on granite dwelling	35	1839	1869	Bell struck by machinery every 20 sec.	
209	White conical tower, on brown cylindrical foundation; lantern, black.	44	1886	.....	Bell struck by machinery every 20 sec.	To mark extremity of breakwater at entrance to Connecticut River. The red sector covers the shoals off Cornfield Point.
210	White stone tower, with white dwelling attached.	64	1803	.....	Bell struck by machinery every 12 sec.	To guide into Connecticut River. The changes in the bar are frequent and considerable, and vessels should not attempt to cross it without a pilot.
211	Red column, with lantern on top	.....	1856	.....	.....	To guide clear of an abandoned fishing-pier 50 feet N. of beacon. To be left on starboard hand.
212	Hexagonal pyramidal structure, shingled; lower half black, upper half white; lantern, black; standing on a square pyramidal crib.	13	1889	.....	.....	To guide clear of Essex Reef.

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THIRD DISTRICT. CONNECTICUT.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nautical miles.
			° ′ ″				
LONG ISLAND SOUND AND TRIBUTARIES. CONNECTICUT RIVER.							
213	Joshua Rocks Post-Light.	In the water, E. side of the river, W. side of channel, about 300 yards below Brockway Reach Light, Conn.	....	Fixed white	Tub'lar lantern.	10	.....
214	Brockway Reach Post-Light.	In the river, lower end of reach, 2 miles above Essex, Conn.	41 22 20 72 23 (50)	Fixed white	Tub'lar lantern.	.....	.....
215	Meadows Post-Light.....	In the water, E. side of the channel, opposite Brockway Reach Light, Conn.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
216	Devils Wharf Post-Light.	West side of the river, 4 miles above Essex, and below Deep Creek, Conn.	41 23 32 72 26 (08)	Fixed white	Tub'lar lantern.	.....	.....
217	Deep River Post-Light ...	In the water, W. side of the river, about 300 yards above Devils Wharf Light, Conn.	.....	Fixed white	Tub'lar lantern.	10	.....
218	Chester Rock Post-Light.	On Chester Rock, about 300 yards southwesterly from mouth of Deep River, W. side of the river, Conn.	41 23 (54) 72 26 (02)	Fixed white	Lens lantern.	23	.....
219	Eddy Rock Post-Light ...	On point of rocks on W. bank of river, about 1 mile below Goodspeeds Landing, Conn.	.....	Fixed white	Tub'lar lantern.	.....	.....
220	East Haddam Meadows Post-Light.	In the water, E. side of the channel, about 300 yards above East Haddam Landing, Conn.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
221	Range. Haddam Island (front) Post-Light.	On E. bank of the river, opposite the lower end of Haddam Island, Conn.	....	Fixed red.....	Tub'lar lantern.	.....	.....
222	Range. Haddam Island (rear) Post-Light.	On E. bank of the river, opposite the lower end of Haddam Island, Conn.	....	Fixed red.....	Tub'lar lantern.	.....	.....
223	Rock Landing Post-Light	On point on E. bank of river opposite the upper end of Haddam Island, Conn.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
224	Scovill Rock Post-Light..	On point of rocks on W. bank of river, about ½ mile below Sears Shoal, Conn.	.....	Fixed white	Tub'lar lantern.	.....	.....
225	Paper Rock Post-Light...	On point of rocks on E. bank of river, about ⅔ mile above Tibball Landing, Conn.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
226	Bodkin Rock Post-Light..	On point of rocks on E. bank of river, about 2½ miles below Middletown Bridge, Conn.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
227	Mouse Island (lower) Post-Light.	In the water, S. side of the river, about 1½ miles below Middletown Bridge, Conn.	.....	Fixed white	Tub'lar lantern.	10	.....
228	Mouse Island (upper) Post-Light.	In the water, S. side of the river, about 1½ miles below Middletown Bridge, Conn.	.....	Fixed white	Tub'lar lantern.	10	.....
229	Slam Dock Post-Light...	On E. bank of the river, about ½ mile below Pistol Point, Conn.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
230	Range. Pistol Point (front) Post-Light.	On E. bank of the river, at Pistol Point, Conn.	....	Fixed red	Tub'lar lantern.	.....	.....
231	Range. Pistol Point (rear) Post-Light.	On E. bank of the river, at Pistol Point, Conn.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
232	Dividend Bar Range. Dividend Pier (rear) Post-Light.	East bank of the river, a short distance below Dividend Pier Light, Conn.	.....	Fixed red.....	Tub'lar lantern.	....	....
233	Dividend Bar Range. Dividend Pier (front) Post-Light.	East bank of the river, a short distance below Dividend Pier Light, Conn.	.....	Fixed red.....	Tub'lar lantern.	.....	.....

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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CONNECTICUT. THIRD DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
113	Black post		1889			To be left on port hand going up. Exhibited only during low water.
114	Black column, with lantern on top, on stone pier.		1856			To guide clear of an abandoned fishing-pier on the W. side of the channel, where the flats form an angle.
115	Red post		1892			To be left on starboard hand going up.
116	Black column, with lantern on top, on pier.		1856			To guide clear of the ledge of rocks on which it is built. It may be approached close-to.
117	Black post		1889			To be left on port hand going up. Exhibited only during low water.
118	Hexagonal pyramidal structure, shingled, with lantern, standing on a square pyramidal crib, all black.	13	1889			To guide clear of Chester Rock.
119	Black post		1891			
220	Red post		1892			To be left on starboard hand going up.
221	Red post		1892			To guide through the channel on the E. side of Haddam Island.
222	Red post		1892			
223	Red post		1891			
224	Black post		1891			
225	Red post		1891			
226	Red post		1891			
227	Black post		1889			To be left on port hand going up. Exhibited only during low water.
228	Black post		1889			To be left on port hand going up. Exhibited only during low water.
229	Red post		1892			To be left on starboard hand going up.
230	Red post		1892			To guide to the channel above Pistol Point.
231	Red post		1892			
232	Black post		1889			To guide clear of Dividend Bar.
233	Red post		1889			

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THIRD DISTRICT. CONNECTICUT AND NEW YORK.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nautical miles.
			° ′ ″				
234	LONG ISLAND SOUND AND TRIBUTARIES. — CONNECTICUT RIVER. — Range. Two Piers Channel (front) Post-Light.	On E. bank of the river, near Glastonbury Landing, Conn.	.....	Fixed red.	Tub'lar lantern.	.....	.....
235	Range. Two Piers Channel (rear) Post-Light.		.....	Fixed red.	Tub'lar lantern.	.....	.....
236	Range. Press Barn Bar (front) Post Light.	On E. bank of the river, about 1 mile below Naubuc, Conn.	.....	Fixed red.	Tub'lar lantern.	.....	.....
237	Range. Press Barn Bar (rear) Post-Light.		.....	Fixed red.	Tub'lar lantern.	.....	.....
238	Range. Naubuc (front) Post-Light.	On E. bank of the river, near Naubuc, Conn.	.....	Fixed red.	Tub'lar lantern.	.....	.....
239	Range. Naubuc (rear) Post-Light.		.....	Fixed red.	Tub'lar lantern.	.....	.....
240	Range. Clay Bank (front) Post-Light.	On E. bank of the river, about 2 miles below Hartford, Conn.	.....	Fixed red.	Tub'lar lantern.	.....	.....
241	Range. Clay Bank (rear) Post-Light.		.....	Fixed red.	Tub'lar lantern.	.....	.....
242	Range. Colt Pier (front) Post-Light.	In the water, W. side of the river, Hartford, Conn.	.....	Fixed white	Tub'lar lantern.	10	.....
243	Range. Colt Pier (rear) Post-Light.		.....	Fixed white	Tub'lar lantern.	.....	.....
244	*Cornfield Point Light-Vessel, No. 51.*	Moored in 150 feet of water, about midway of and ½ mile S. of Long Sand Shoal, off Cornfield Point, and to the southward and westward of the mouth of Connecticut River, Conn.	41 12 (56) 72 22 (33)	Fixed white, 12 sec.; eclipse 3 sec.; electric. (*See Remarks.*)	Lens lantern.	54	12½
245	HORTON POINT	On Horton Point, the NW. point of Horton Neck, N. side of Long Island, N. Y.	41 05 07 72 26 46	Fixed white	3	105	16
246	Falkner Island	Off Guilford Harbor, N. side of Long Island Sound, Conn.	41 12 43 72 39 15	Fixed white, varied by a white flash every 90 sec.	4	96	15

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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CONNECTICUT AND NEW YORK. THIRD DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
234	Red post		1892			To guide through channel below Glastonbury Landing.
235	Red post		1892			
236	Red post		1892			To serve as a guide to the channel above.
237	Red post		1892			
238	Red post		1889			Range for crossing from W. to E. side of river, going down.
239	Red post		1889			
240	Red post		1892			To guide clear of a sunken pier in the river above.
241	Red post		1892			
242	Black post at outer end of old Government piling.		1889			To guide through dredged cuts. Exhibited only during low water. In standing up the river, vessels should keep on the E. side until past Colt Pier, then bring the two lights in range and keep the range on until about 150 feet from the front light, thence follow the Government stonework, leaving it 50 or 60 feet to the westward.
243	Black post on beach, 660 feet from preceding.		1891			
244	Steam light-vessel, two masts, schooner-rigged, and no bowsprit. Mastheads, black, and at each there is a circular iron gallery under four lens lanterns. Black smokestack and fog signal between the masts. Hull, red, with the words "CORNFIELD POINT LIGHT-VESSEL" in large white letters on each quarter and "No. 51" in large white figures on each bow.		1856	1892	12-inch steam whistle; blasts 3 sec., silent intervals 12. sec. If whistle be disabled a bell will be rung by hand.	Saybrook (Lynde Point) Light, NNE. $\frac{5}{8}$ E., nearly $3\frac{5}{8}$ miles; Saybrook Breakwater Light, NE. $\frac{3}{4}$ N., $3\frac{7}{8}$ miles; Race Rock Light, E. $\frac{1}{2}$ S., $14\frac{1}{2}$ miles; Little Gull Island Light, ESE. $\frac{7}{8}$ E., easterly, $12\frac{1}{2}$ miles; Plum Island Light, SE. by E. $\frac{1}{2}$ E., $7\frac{1}{8}$ miles; Horton Point Light, SSW. $\frac{3}{4}$ W., westerly, $8\frac{1}{4}$ miles; Falkner Island Light, W. $\frac{3}{4}$ N., $12\frac{5}{8}$ miles; Hen and Chickens Beacon, N. by W. $\frac{3}{4}$ W., westerly, $2\frac{1}{4}$ miles; Cornfield Point, N. $\frac{1}{4}$ W., $2\frac{3}{4}$ miles. Whistle sounds thus: Blast, 3 sec. — Silent interval, 12 sec. — Blast, 3 sec. — Silent interval, 12 sec. Light shown from mainmast head. In each minute the light becomes visible *four* times (during periods of 12 seconds each) and the fog signal sounds *four* blasts (each of 3 seconds' duration). If, from any cause, the light can not be shown from the mainmast, it will be shown with the same characteristics from the foremast head. Should the electric-light machinery become entirely inoperative, oil lights will be placed in one set of lens lanterns, and the characteristic of the light will be *fixed* white.
245	Square white brick tower, with dwelling attached.	35	1857			
246	White octagonal tower, with dwelling attached. Fog-signal building 150 feet to the northward.	46	1801	1871	10-inch steam whistle; blasts 8 sec., silent intervals 52 sec. If whistle be disabled, a bell will be struck by machinery every 15 sec.	To guide through Long Island Sound and clear of reefs in the vicinity of the island. Ship-channel to the southward. Whistle sounds thus: Blast, 8 sec. — Silent interval, 52 sec. — Blast, 8 sec. — Silent interval, 52 sec.

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THIRD DISTRICT. CONNECTICUT AND NEW YORK.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nautical miles.
				° ′ ″				
247	Long Island Sound and Tributaries.	SOUTHWEST LEDGE	On Southwest Ledge Reef, entrance to New Haven Harbor, Conn.	41 14 04 72 54 45	Fixed white, with a fixed red sector between WNW. ¾ W. and W. ¾ N.	4	57	13
248		New Haven Long Wharf	On end of Long Wharf, New Haven, Conn.	41 17 34 72 54 56	Fixed red	Tub'lar lantern.	21	.....
249		Stratford Point	West side of entrance to Housatonic River, N. side of Long Island Sound, Conn.	41 09 07 73 06 13	Flashing white every 45 sec.	3	55	12¾
250		STRATFORD SHOAL (Middle Ground).	On Middle Ground, N. Y., about midway between Stratford Point and Old Field Point lights.	41 03 36 73 06 06	Flashing white every 10 sec.	4	63	13¼
251		Old Field Point	On Long Island, N. Y., to the southward of Stratford Shoal Light, and nearly opposite Bridgeport, Conn.	40 58 37 73 07 09	Fixed white	4	79	14¼
252		Bridgeport Harbor	About ¾ mile offshore, S. by E. of Bridgeport, Conn., W. side of channel.	41 09 24 73 10 49	Fixed red	4	56	11¼
253		Bridgeport Breakwater	At easterly end of inner breakwater, making off from Tongue Point, W. side of channel, entrance to Bridgeport Harbor, Conn.	41 09 (58) 73 10 (35)	Fixed white	Tub'lar lantern.	24	.....
254		Black Rock	On Fayerweather Island, E. side of entrance to Black Rock Harbor, N. side of Long Island Sound, Conn.	41 08 33 73 13 04	Fixed white	5	43	12
255		PENFIELD REEF	On Penfield Reef, about 3 miles southwestward of entrance to Bridgeport Harbor, Conn.	41 07 02 73 13 21	Flashing red every 5 sec.	4	54	12¾
256		Norwalk Islands	On westerly part of Sheffield Island, one of the Norwalk group; marks W. entrance to Norwalk River, Conn.	41 02 56 73 25 11	Fixed white, varied by a red flash every minute.	4[d]	52	12¼
257		EATONS NECK	On Eatons Point, E. side of entrance to Huntington Bay, Long Island, N. Y.	40 57 14 73 23 45	Fixed white	3	147	18
258		Lloyd Harbor	In Huntington Bay, Long Island, N. Y., on SE. point of Lloyd Neck, and N. side of entrance to harbor.	40 54 54 73 26 06	Fixed red	5	40	8¼
259		Cold Spring Harbor	On easterly point of shoal extending to eastward from Center Island into the entrance to Oyster Bay and Cold Spring Harbor, Long Island, N. Y.	40 54 51 73 29 42	Fixed white, with a fixed red sector, between SE. ¾ E. and NE. ¾ E.	4	44	11¼
260		Stamford Harbor	On SW. extremity of Harbor Ledge, Stamford Harbor, Conn.	41 00 49 73 32 35	Fixed red	4	60	11¼

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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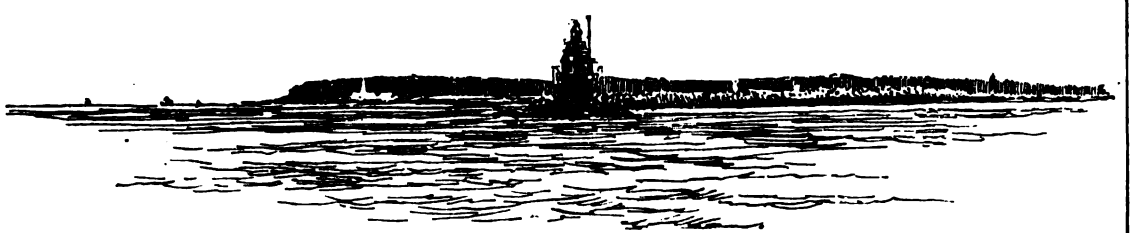
Falkner Island Light Station Conn.
N E by E 3/4 mil

Southwest Ledge Light Station. Conn.
N. E 1/4 mile.



Old Field Point Light Station N.Y
S E by E 1/2 mile

Penfield Reef Light Station. Conn
N by W 1/2

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Norwalk Islands Light Station Conn.
N by E ½ mile.

Eaton Neck Light Station N.Y.
E.S.E ½ mile

Stamford Harbor Light Station Conn.
N by E ½ mile

Great Captain Island Light Station N.Y.
N.E by E ½ mile.

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Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
17	White octagonal house, one-story, with high Mansard roof; lantern black, on brown cylindrical foundation.	32	1877	.....	Bell struck by machinery every 15 sec.	The light may be approached close-to on all sides except in the direction E. by N., where there are rocks varying from 150 to 350 yards distant, having 10 to 13 feet depth over them at low water. The southern edge of the red sector passes about ⅛ of a mile to the southward of the beacon on Branford Reef, and guides clear of the reef.
18	Square drab tower, with brown trimmings.	16	1854	1861	.....	There is a signal-display station here.
19	White, conical tower; lantern, black. White dwelling detached. Fog-signal building, white.	35	1821	1881	Bell struck by machinery every 15 sec.	To guide through Long Island Sound and into Stratford, Conn. Approaching Stratford Point from the E., keep the lead in hand. The bottom never changes from soft to hard, and the land should not be approached nearer than in 3½ fathoms. In passing through the sound give the light a berth of not less than 2½ miles, to clear the shoals lying southwesterly from Stratford Point.
250	Gray octagonal tower, projecting from S. side of square house standing on pier.	40	1877	.....	2d-class Daboll trumpet; blasts 6 sec., silent intervals 21 sec. If trumpet be disabled, a bell will be struck by machinery, a triple blow every 15 sec.	Stratford Point Light. N. ¾ E., 5½ miles; Old Field Point Light, S. by W. ⅝ W., 5 miles. Trumpet sounds thus: Blast, 6 sec. — Silent interval, 21 sec. — Blast, 6 sec. — Silent interval, 21 sec.
251	Lantern on gray two-story dwelling..	46	1823	1869	.....	
252	Screw-pile structure; piles, red; tower and dwelling, white; Mansard roof, slate-color; lantern, black.	34	1851	1871	Bell struck by machinery every 15 sec.	Bridgeport Harbor is quite shoal, and should not be approached as a harbor of refuge by strangers. The light must not be approached nearer than 200 feet.
253	Cylindrical pier surmounted by four-sided pyramid, slatted horizontally, from which rises a staff with cask, on its bilge, on top and bracket for lantern attached.	.....	1894	.....	.....	*To be lighted January* 31, 1894. Bridgeport Harbor Light, SSW. ½ W., ⅝ mile.
254	White stone tower; lantern, black ...	33	1808	.....	.....	To guide into harbor of refuge at Black Rock.
255	White tower on granite dwelling with Mansard roof, standing on dark pier; lantern, white; dome, black.	37	1873	.....	Daboll trumpet; blasts 3 sec., silent intervals 17 sec. If trumpet be disabled, a bell will be struck by machinery, a double blow every 20 sec.	To guide into the harbor of Bridgeport, Conn., and into the harbor of refuge at Black Rock, Conn.; also a coast light for Long Island Sound. Trumpet sounds thus: Blast, 3 sec. — Silent interval, 17 sec. — Blast, 3 sec. — Silent interval, 17 sec.
256	Gray octagonal tower on gable end of two-story granite dwelling; lantern, black.	46	1826	1869	.....	To guide through Long Island Sound and into Norwalk River. Great Reef, marked by a spindle, lies SW. by S., ⅝ mile from the light.
257	White tower, and dwelling attached; lantern, black.	63	1798	.....	2d-class steam siren; blasts 9 sec., silent intervals 35 sec.	To guide through the sound and to Huntington Bay. Siren sounds thus: Blast, 9 sec. — Silent interval, 35 sec. — Blast, 9 sec. — Silent interval, 35 sec.
258	Square white brick tower, and dwelling attached.	34	1857	.....	.....	To guide through Huntington Bay and into Lloyd Harbor.
259	Square, lead-colored, pyramidal, wooden tower on black cylindrical foundation pier; lantern, black.	.....	1890	.....	Bell struck by machinery every 30 sec.	The northerly edge of the red sector cuts Center Island Reef or Middle Ground Buoy, (black, No. 17), and its southerly edge is tangent to Plum Point.
260	White conical tower, on red cylindrical foundation; lantern, black.	60	1882	.....	Bell struck by machinery every 20 sec.	

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THIRD DISTRICT. NEW YORK.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nautical miles.
				° ′ ″				
261	LONG ISLAND SOUND AND TRIBUTARIES.	Great Captain Island	On the southeasterly part of the island, south-southwesterly from Greenwich Point, N. side of Long Island Sound, N. Y.	40 58 57 73 37 26	Fixed white	4	74	14
262		Execution Rocks	About ¾ mile to the northward and westward of Sands Point, Long Island, N. Y.	40 52 41 73 44 17	Flashing white from E. by N. through northward, eastward, and southward to NE. ½ N.; flashing red throughout the remaining sector; interval between flashes 10 sec.	4	58	13
263		Sands Point	On NW. extremity of Manhasset Neck, Long Island, N. Y.	40 51 57 73 43 48	Fixed white	4	68	13
264		Stepping Stones	On outer edge of Stepping Stones Reef, 1½ miles south-southwesterly of Hart Island, N. Y.	40 49 28 73 46 31	Fixed red	5	49	8½
265		Throgs Neck	On NE. side of Fort Schuyler, SE. end of Throgs Neck, N. Y.	40 48 (21) 73 47 (28)	Fixed white	5	72½	12½
266	EAST RIVER.	Whitestone Point Post-Light.	On Whitestone Point, N. Y	40 48 02 73 49 12	Fixed white	Lens lantern.	40	.....
267		Flushing Bay Post-Light	On dike in Flushing Bay, N. Y	40 46 (13) 73 51 (12)	Fixed red	Tub'lar lantern.	13	.....
268		Rikers Island Post-Light	On N. end of Rikers Island, N. Y	40 47 (50) 73 53 (20)	Fixed red	Tub'lar lantern.	35	.....
269		North Brother Island	On S. end of North Brother Island, N. Y.	40 47 57 73 54 00	Fixed white	6	50	11
270		South Brother Island Ledge Post-Light.	On E. side of westerly entrance to South Channel, N. Y.	40 47 (34) 73 53 (57)	Fixed red	Tub'lar lantern.	20	.....
271		Lawrence Point Ledge Post-Light.	On W. side of westerly entrance to South Channel, N. Y.	40 47 (35) 73 54 (16)	Fixed white	Tub'lar lantern	20	.....
272		Sunken Meadow Post-Light	On E. side of Sunken Meadow, N. Y	40 47 (48) 73 54 (57)	Fixed red	Tub'lar lantern.	26	.....
273		Hell Gate Post-Light	On shore at Hallets Point, Hell Gate, N. Y.	40 46 41 73 56 06	Alternately red and white, each 3 sec.	Lens lantern.	25	.....
274		Man-o'-War Rock Post-Light.	On Man-o'-War Rock, off foot of E. Thirty-eighth street, New York City, N. Y.	40 44 (40) 73 58 (03)	Fixed red	Tub'lar lantern.	32	.....
177		MONTAUK POINT	On the extreme E. end of Long Island, N. Y.	41 04 16 71 51 27	Fixed white, varied by a white flash every 2 minutes.	1	169½	19½
275		SHINNECOCK BAY	On Ponquogue Point, N. side of Shinnecock Bay, Long Island, 1 mile from line of seabeach, and about midway between Montauk Point and Fire Island light-stations, N. Y.	40 51 03 72 30 16	Fixed white	1	160	18½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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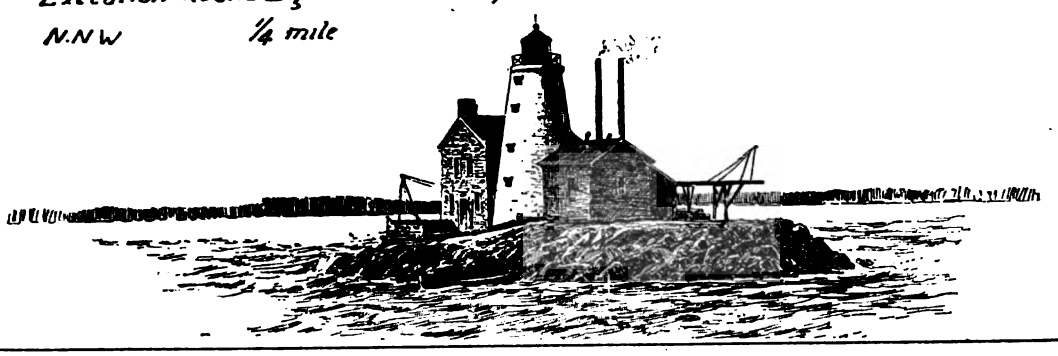
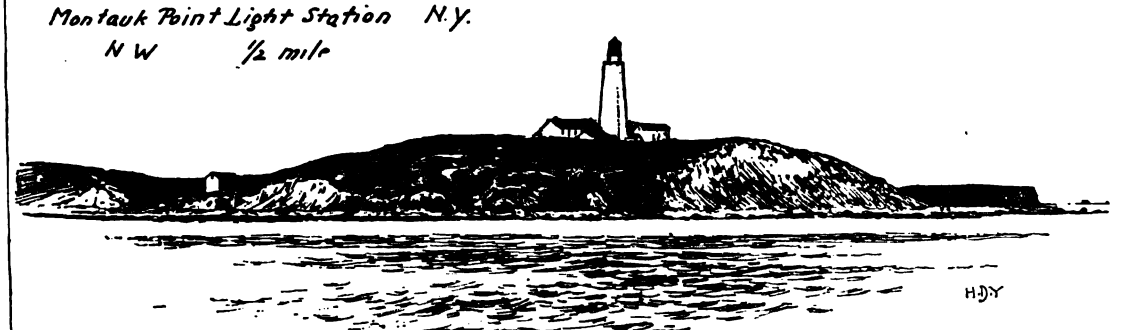
Execution Rocks Light Station N.Y.
N.N.W ¼ mile



Sands Point Light Station N.Y.
E.S.E ½ mile

Stepping Stones Light Station N.Y.
W by S ¼ mile

Montauk Point Light Station N.Y.
N.W ½ mile



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NEW YORK. THIRD DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
261	White tower on S. gable of granite dwelling.	46	1829	1868	10-inch steam whistle; blasts 3 sec., silent intervals 27 sec.	Whistle sounds thus: Blast, 3 sec. Silent interval, 27 sec. Blast, 3 sec. Silent interval, 27 sec.
262	White tower, with granite dwelling attached on W. side.	47	1848	1868	1st-class automatic steam siren; blasts 3 sec., silent intervals 17 sec.	The southerly edge of the red sector clears the southern point of Hart Island and guides clear of that island. Siren sounds thus: Blast, 3 sec. Silent interval, 17 sec. Blast, 3 sec. Silent interval, 17 sec.
263	White tower, with light-brown dwelling attached; lantern, black.	46	1869	1864	.....	
264	Lantern on red-brick dwelling, with stone trimmings and Mansard roof, on granite pier.	36	1877	.....	Bell struck by machinery, a double blow every 20 sec.	
265	White, square, pyramidal, skeleton, iron tower; lantern black.	61½	1826	1890	Bell struck by machinery every 15 sec.	Marks the NW. side of entrance to East River.
266	Square pyramidal frame tower on piers; lower part, white; upper, wood-color.	20	1889	.....	Bell struck by machinery, a double blow every 30 sec.	
267	Red stake bolted to pile on end of dike.	.....	1889	.....	.....	Marks dike when submerged at high water and to guide to the town of Flushing.
268	White stake, with shelf to support lantern.	20	1889	.....	.....	
269	White dwelling, with Mansard roof, surmounted by black lantern.	38	1869	.....	Bell struck by machinery every 15 sec.	Guide through channel between North and South Brother islands.
270	Black cylindrical foundation, surmounted by a red spindle with ball-shaped cage day-mark.	.....	1891	1893	.....	Guide through South Channel of East River.
271	Black cylindrical foundation, surmounted by a black spindle with a square cagework day-mark.	.....	1891	1893	.....	Guide through South Channel of East River.
272	Brown spindle, with bracket at top to support lantern.	.....	1887	.....	.....	
273	Small pyramidal wooden tower.....	.....	1887	1889	Bell struck by machinery every 5 sec.	
274	Spindle with bracket, from which lantern is suspended, painted in alternate black and white stripes, each 6 feet wide.	.....	1888	1891	.....	
277	White tower; white dwelling on hill near by.	97	1795	1860	1st-class Daboll trumpet; blasts 12 sec., silent intervals 50 sec.	Forty-nine miles from Gay Head Light, 32 miles from Shinnecock Bay Light, and 67 miles from Fire Island Light. There is a life-saving station on the point, about 250 yards to the southward of the tower. Trumpet sounds thus: Blast, 12 sec. Silent interval, 50 sec. Blast, 12 sec. Silent interval, 50 sec.
275	Red brick tower, with drab dwelling attached.	150	1857	.....	.....	Thirty-five miles to the eastward of Fire Island Light, and 32 miles to the westward of Montauk Point Light.

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THIRD DISTRICT. NEW YORK AND NEW JERSEY.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nautical miles.
			° ′ ″				
276	FIRE ISLAND	Near westerly end of Fire Island, E. side of Fire Island Inlet, S. side of Long Island, N. Y.	40 37 57 73 13 08	Flashing white every minute.	1	168	19½
277	*Sandy Hook Light-Vessel, No. 48.*	Moored in 78 feet of water, just to the northward of the easterly prolongation of the axis of Gedney Channel, about 3¾ miles from Gedney Channel Whistling Buoy, and 5½ miles from the outer lighted buoys of the channel.	40 28 (22) 73 49 (59)	Flashing red every 30 sec. (foremast). Fixed red (main-mast).	Refl'r. Refl'r	37 37	11½ 11½
278	*Scotland Light-Vessel, No. 7*	Moored in 58 feet of water, just to southwestward of the southeasterly prolongation of the axis of South and Swash channels, about 3½ miles SE. ½ S. from its intersection with the axis of Main Channel.	40 26 (39) 73 55 (12)	Two fixed white	Refl'r	{45 45}	13
279	NAVESINK (northerly light)	On small bare plateau on easternmost spur of Highlands of Navesink, N. J.	40 23 48 73 59 10	Fixed white	1	248	22½
280	NAVESINK (southerly light)	228 feet S. by E. ½ E. from the preceding.	40 23 46 73 59 09	Fixed white	1	248	22½
281	Entrance to New York Bay. — Gedney Channel. — Electric Buoy, G1	On port side of entrance to the channel, in 24 feet of water.		Fixed white, electric			
282	Electric Buoy, G2	On starboard side of entrance to the channel, in 28 feet of water, about 1,100 feet south-southwesterly from the preceding.		Fixed red, electric			
283	Electric Buoy, G3	On port side of the channel, in 26 feet of water, about 2,000 feet west-northwesterly from G1.		Fixed white, electric			
284	Electric Buoy, G4	On starboard side of the channel, in 24 feet of water, about 2,000 feet west-northwesterly from G2.		Fixed red, electric			
285	Electric Buoy, G5	On port side of the channel, in 29 feet of water, about 2,000 feet west-northwesterly from G3.		Fixed white, electric			
286	Electric Buoy, G6	On starboard side of the channel, in 23 feet of water, about 2,000 feet west-northwesterly from G4.		Fixed red, electric			
287	SW. Spit Range. — Sandy Hook	Southwest side of entrance to New York Bay, near the N. end of the hook, N. J.	40 27 42 74 00 09	Fixed white	3	90	15½
288	South Beacon	On bay side of Sandy Hook, NW. by W. ¼ W. from main light, N. J.	40 27 (47) 74 00 (23)	Fixed white	6	45	11
289	Hook Beacon	On N. point of Sandy Hook, N. J.	40 28 (19) 74 00 (26)	Fixed white with a fixed red sector between W. ½ S. and SW. by W. ½ W.	4	46	12

NOTE—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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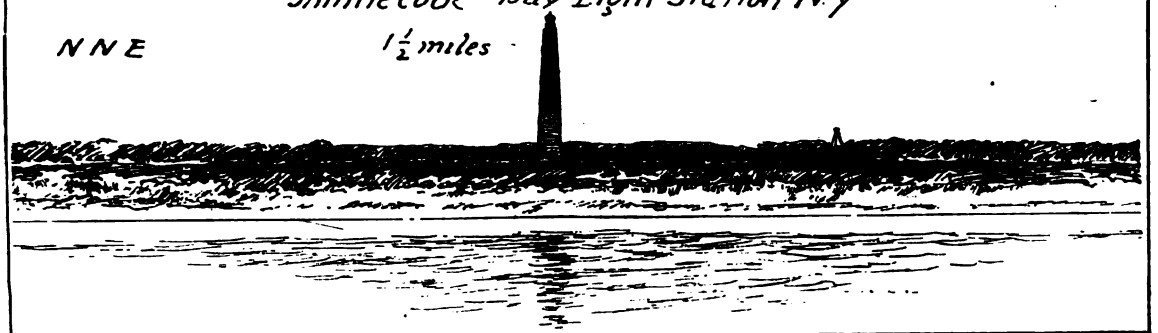
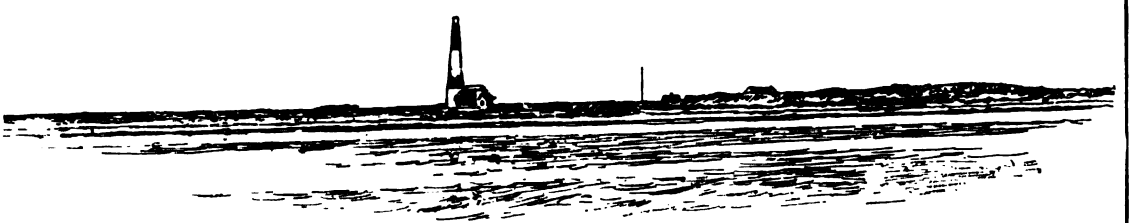
Shinnecock Bay Light Station N.Y

NNE 1½ miles



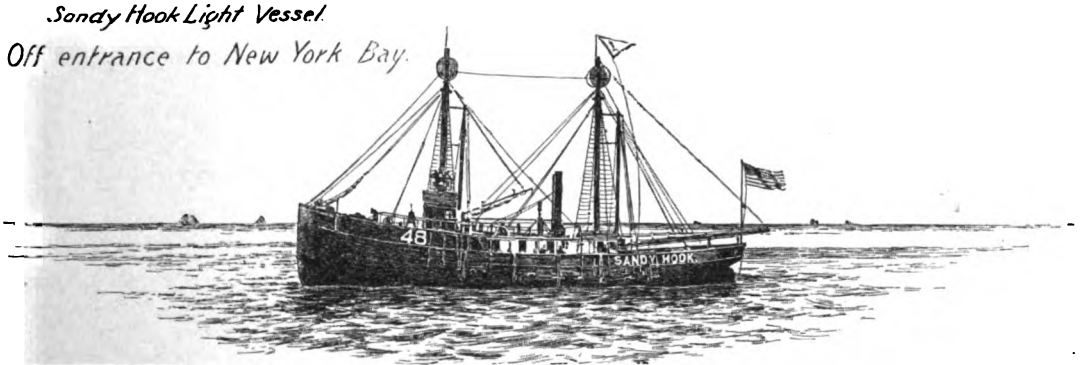
Fire Island Light Station N.Y

NE by N ½ mile



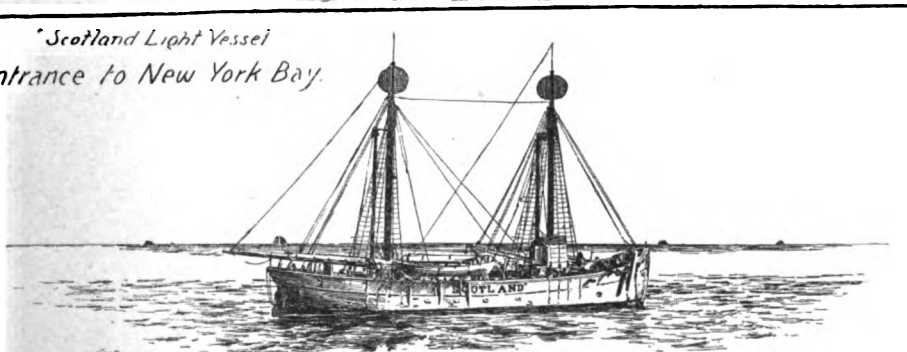
Sandy Hook Light Vessel

Off entrance to New York Bay.



Scotland Light Vessel

Off entrance to New York Bay.



N.L. Stebbins Photo

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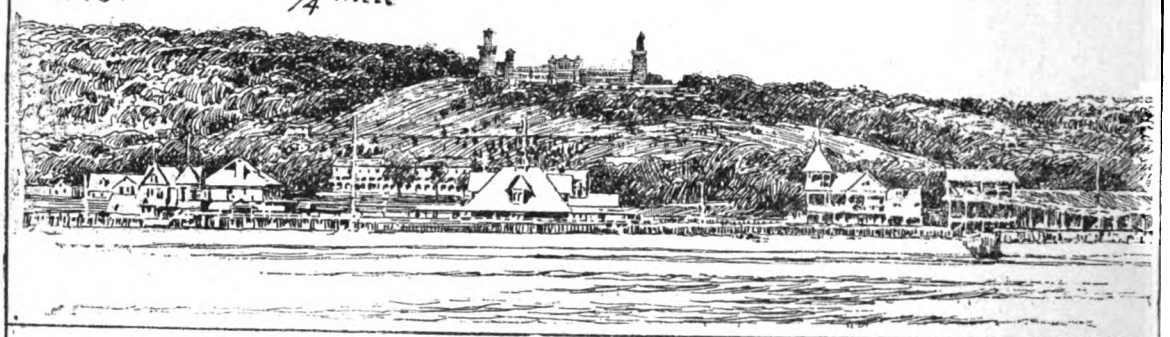
Navesink Light Station N.J.

West 3/4 mile



Sandy Hook Light Station N.J.

S.W. 1 mile.

Sandy Hook Beacon Light Station. N.J.

S.E. 1/2 mile.

Romer Shoal Light Station

N.W. 1/8 mile. N.Y.

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NEW YORK AND NEW JERSEY. THIRD DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
276	Tower colored with alternate black and white horizontal bands, two of each color, black at the top; dark-gray granite dwelling attached, standing upon white pier.	152	1826	1858	.....	Thirty-seven miles from Navesink Lights, 30 miles from Sandy Hook Light-Vessel, 35 miles from Shinnecock Bay Light, and 67 miles from Montauk Point Light. There is a life-saving station about 600 yards southwesterly.
277	Two masts, schooner-rigged, no bowsprit, black mastheads with black circular cagework day-mark at each. Hull, red, with the words "SANDY HOOK" in large white letters on each quarter and "No. 48" in large white figures on each bow.	.....	1823	1891	12-inch steam chime whistle; blasts 3 sec., alternate silent intervals of 1 and 30 sec.	Navesink Lights, SW. by W. $\frac{3}{4}$ W., $8\frac{3}{4}$ miles; Romer Shoal Light, NW. by W. $\frac{1}{2}$ W., $8\frac{1}{2}$ miles; Centennial Tower, Coney Island, NW. $\frac{3}{4}$ N., $8\frac{1}{2}$ miles; Scotland Light-Vessel, WSW. $\frac{3}{4}$ W., $4\frac{3}{4}$ miles; Hook Beacon, Sandy Hook, W. $\frac{1}{2}$ N., $7\frac{1}{2}$ miles; Sandy Hook Light, W. $\frac{1}{4}$ N., $7\frac{3}{4}$ miles; Gedney Channel Whistling Buoy, WNW. $\frac{1}{2}$ W., $3\frac{1}{2}$ miles. Whistle sounds thus: Blast, 3 sec. — Silent interval, 1 sec. — Blast, 3 sec. — Silent interval, 30 sec.
278	Two masts, schooner-rigged; black circular cagework day-mark at each masthead. Hull, lead-color, with the word "SCOTLAND" in large black letters on each side, and "7" in black figures on each quarter.	.....	1874	.....	Bell struck by hand	Sandy Hook Light-Vessel, ENE. $\frac{3}{4}$ E., $4\frac{3}{4}$ miles; Navesink Lights, SW. $\frac{1}{2}$ W., $4\frac{1}{2}$ miles; Sandy Hook Light, NW. by W. $\frac{1}{2}$ W., $3\frac{1}{2}$ miles; Hook Beacon, Sandy Hook, NW. by W. $\frac{1}{2}$ W., $4\frac{1}{2}$ miles; Romer Shoal Light, NW. $\frac{3}{4}$ N., $5\frac{1}{4}$ miles; Centennial Tower, Coney Island, N. $\frac{1}{2}$ W., $8\frac{1}{2}$ miles.
279	Two brown stone towers, connected by brown stone dwelling; northerly tower, octagonal; southerly tower, square.	53	1762	1862	.....	
280		53	1762	1862	.....	
281	Black spar buoy, with large white "G" on two sides above large white "1," surmounted by lantern.	.....	1888	.....	.....	These buoys are placed in two parallel lines, 1,100 feet apart, and are spaced about 2,000 feet apart on each line. The survey of January, 1890, indicates that the best water in the channel is between 50 and 550 feet from the red buoys, and between these lines the least depth at mean low water is 30 feet. There is 28 feet in the southern part of the channel.
282	Red spar buoy, with large white "G" on two sides above large white "2," surmounted by lantern.	.....	1888	.....	.....	
283	Black spar buoy, with large white "G" on two sides above large white "3," surmounted by lantern.	.....	1888	.....	.....	
284	Red spar buoy, with large white "G" on two sides above large white "4," surmounted by lantern.	.....	1888	.....	.....	
285	Black spar buoy, with large white "G" on two sides above large white "5," surmounted by lantern.	.....	1888	.....	.....	
286	Red spar buoy, with large white "G" on two sides above large white "6," surmounted by lantern.	.....	1888	.....	.....	
287	White tower, with white frame dwelling detached; lantern, black.	77	1764	.....	.....	Form a range for passing the Southwest Spit and connecting the Main Channel Range and the Conover and Chapel Hill Range. There is a life-saving station about 700 feet N. by W. from South Beacon.
288	White wooden tower; lantern, black .	30	1842	*1888	.....	
289	Brown conical tower; lantern, black. White dwelling 50 feet to southward of tower, and white dwelling near fog signal.	42	1842	1880	1st-class automatic steam siren; blast 3 sec., silent intervals 17 sec.	Marks the N. point of Sandy Hook. The red sector covers the cables used for operating the electric buoys in Gedney Channel. Vessels are forbidden to anchor within the red sector unless well to the eastward of Gedney Channel. There is a signal-display station 1,000 feet ESE. of the light-house, near the angle of the fort. Siren sounds thus: Blast, 3 sec. — Silent interval, 17 sec. — Blast, 3 sec. — Silent interval, 17 sec.

*Moved 1893.

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THIRD DISTRICT. NEW YORK AND NEW JERSEY.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nautical miles.
				° ′ ″				
290	Entrance to New York Bay.	Sandy Hook Fog Bell	On northwesterly point of Sandy Hook, 2,340 feet W. ¾ S. from the Hook Beacon, N. J.	.....	.....	.....	.....	.....
291	Entrance to New York Bay.	Southwest Spit Electric Buoy, No. 12.	Off W. side of Southwest Spit, starboard side of main channel, at the turning point from the Southwest Spit Range to the Conover and Chapel Hill Range.	.....	Fixed red, electric	.....	10	.....
292	Entrance to New York Bay.	Romer Shoal	On Romer Shoal, near NE. side of Swash Channel, N. Y.	40 30 47 74 00 50	Fixed white	5	41	8¼
293	Conover and Chapel Hill Range.	Conover Beacon (front)	Near the beach, S. shore of Sandy Hook Bay, N. J.	40 25 17 74 03 22	Fixed white	Range lens.	60	13¼
294	Conover and Chapel Hill Range.	Chapel Hill Beacon (rear)	About 1⅝ miles S. by W. ¼ W. from the preceding.	40 23 54 74 03 33	Fixed white	Range lens.	224	21¼
295	Main Channel Range.	Point Comfort Beacon (front)	Near the beach, Bayside, about ⅔ mile to the southward and eastward of Point Comfort, N. J.	40 26 53 74 07 18	Fixed white	Range lens.	45	12
296	Main Channel Range.	Waackaack (rear)	About ⅔ mile W. by S. from the preceding.	40 26 38 74 08 11	Fixed white	Range lens.	76	14¼
297		Old Orchard Shoal	In 17 feet of water, off Old Orchard Shoal, New York Lower Bay, New York, covering the point of intersection of the westerly prolongation of the axis of Gedney Channel and a line drawn from Waackaack Light-House to Fort Tompkins Bell Buoy.	40 30 (44) 74 05 (57)	Fixed white 12 sec., eclipse 3 sec. from S. 30° 57′ W. (SSW. ¾ W.) through eastward and southward to S. 84° 42′ E. (E. ¼ S.); fixed red 12 sec., eclipse 3 sec. throughout remaining sector. Between S. 71° 52′ E. (ESE. ¾ E.) and S. 18° 07′ W. (S. by W. ¾ W.) the naked red light shows dimly.	4	51⅜	12¼
298	Swash Channel Range.	Elm Tree Beacon (front)	On SE. side of Staten Island, N. Y	40 33 (51) 74 05 (45)	Fixed white	Range lens.	62	13¼
299	Swash Channel Range.	New Dorp Beacon (rear)	On the high land, about 1¼ miles NW. ¾ N. from preceding.	40 34 51 74 07 14	Fixed white	Range lens.	193	26¼
300		Princess Bay	On Staten Island, N. Y.	40 30 28 74 12 50	Flashing white every 5 sec.	4	106	16¼

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
290	White, wedge-shaped skeleton structure.	.....	1892	.....	Bell struck by machinery, a triple blow every 10 seconds.	
291	Red spar buoy, surmounted by lantern.	.....	1892	.....	.....	The electric submarine cable supplying the buoy runs from the buoy SE. by E. ¾ E. to a cove near the northwest end of Sandy Hook, N. J., just to the northward of the docks of the U. S. Army. *Masters of vessels and pilots are requested not to anchor near this line.* To be well clear of the cable an anchorage should be taken to the southward of the Southwest Spit Range.
292	Brown cylindrical iron pier, surmounted by a white skeleton tower with white lantern.	25	1886	.....	.....	To mark NE. side of Swash Channel.
293	Tower colored in horizontal belts of white, red, and white. For the purpose of distinguishing this beacon more easily during the day, at times when the ground is covered with snow, black screens, each 20 by 25 feet, are built on each side of the tower; consequently the surface of the entire front is 25 by 60 feet, and shows the tower in belts of white, red, and white, between two black surfaces.	55	1856	....	.....	Range lights for main channel from Southwest Spit to Narrows. The distance from Southwest Spit Buoy to Conover Beacon is 3½ miles, and to Chapel Hill Beacon, nearly 5 miles. Especial attention is called to the distances of these day-marks from Southwest Spit Buoy, and to the difficulty of distinguishing them unless the day be moderately favorable.
294	White tower on dwelling. The front of the dwelling shows from the direction of the main channel of the bay a white surface of 25 by 40 feet. At each end are black screens of the same dimensions. The surface of the entire front is 25 by 120 feet, and the dwelling shows white between two black surfaces.	40	1856	.....	.....	
295	White wooden tower; top of lantern, dark red.	40	1856	.....	.....	Range lights from Gedney Channel to Southwest Spit.
296	White wooden tower; lantern, black..	68	1856	.....	.....	*To be rebuilt.*
297	Black cylindrical pier expanding in trumpet shape at its upper end to form a gallery, above which rises a conical tower, lower half brown, upper half white, surmounted by a black lantern. A conical roof surrounds the lower part of tower and covers the gallery.	.....	1893	.....	.....	Elm Tree Light-House, N. 11° 01′ E. (N. by E.), 3⅛ miles; Fort Tompkins Bell Buoy, N. 30° 57′ E. (NNE. ¾ E.), 5⅜ miles; Sandy Hook Light-House, S. 47° 53′ E. (SE. ¼ E.), 5⅜ miles; Waackaack Light-House, S. 30° 57′ W. (SSW. ¾ W.), 4¾ miles; Princess Bay Light-House, N. 84° 42′ W. (W. ¼ N.), 5¼ miles.
298	Wooden tower, painted in bands, two white and one red; roof of lantern, red.	55	1856	.....	.....	Range lights marking the axis of the South and Swash channels from outside the bar to Main Channel above Romer Shoal Light.
299	White wooden tower on white dwelling.	40	1856	.....	.....	
300	Brown stone tower, with dwelling attached.	38	1828	1864	.....	Bay light to guide to Amboy and into Raritan River.

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THIRD DISTRICT. NEW YORK AND NEW JERSEY.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nautical miles.
				° ′ ″				
301		Great Beds	Raritan Bay. (Soil belongs to New York, jurisdiction to State of New Jersey.)	40 29 (12) 74 15 (21)	Fixed red	4	57	11½
302	RARITAN RIVER.	Western Jetty (lower end) Post-Light, No. 1.	On end of jetty, NW. side of river about 500 yards WSW. of Crow Dock, N. J.	40 30 (20) 74 18 (35)	Fixed red	Tub'lar lantern.	16	.....
303	RARITAN RIVER.	Western Jetty (upper end) Post-Light, No. 2.	On jetty, NW. side of river, 350 yards SW. by S. of Acken Dock, N. J.	40 29 (54) 74 19 (09)	Fixed red	Tub'lar lantern.	14	.....
304	RARITAN RIVER.	South Jetty Post-Light, No. 3	On jetty, S. side of river, 800 yards NW. by N. of Whitehead Dock, N. J.	40 29 (00) 74 20 (05)	Fixed white	Tub'lar lantern.	16	.....
305	NEW YORK BAY.	Coney Island	On Norton Point, W. end of Coney Island, N. Y.	40 34 (35) 74 00 (46)	Flashing red every 10 sec.	4	76½	14½
306	NEW YORK BAY.	Fort Lafayette Fog-Signal Station.	Near SW. corner of sea wall of Fort Lafayette, E. side of Narrows, N. Y.	40 36 28 74 02 (19)	.....	.....	.....	.....
307	NEW YORK BAY.	Fort Tompkins	On Staten Island, W. side of Narrows, N. Y.	40 36 07 74 03 17	Flashing alternately red and white; interval between flashes, 10 sec.	4	90	15½
308	NEW YORK BAY.	Robbins Reef	Off Tompkinsville, lower part of New York Harbor. (Soil belongs to New Jersey, jurisdiction to State of New York.)	40 39 (27) 74 03 (57)	Flashing white every 6 sec.	4	58	12½
309	NEW YORK BAY.	Liberty Enlightening the World.	Inside of Fort Wood, Bedloes Island, N. Y.	40 41 21 74 02 42	Electric	.....	305	24½
310	NEW YORK BAY.	Governors Island Post-Light	On parapet of Castle Williams, NW. end of Governors Island, N. Y.	40 41 (35) 74 01 (13)	Two fixed red	Tub'lar lantern.	(62) (72)	.....
311	NEWARK BAY.	Bergen Point	On reef of rocks near Bergen Point, N. J.	40 38 35 74 08 54	Fixed white	6	48	11½
312	NEWARK BAY.	Corner Stake	Opposite Elizabethport, N. J	40 38 (46) 74 10 (06)	Fixed red	Tub'lar lantern	.....	.....
313	NEWARK BAY.	Passaic	Near mouth of Passaic River, N. J	40 41 46 74 07 38	Fixed white	6	48	11½
314	NEWARK BAY.	Elbow Beacon	On southern extremity of Government Dike, at mouth of Passaic River, N. J.	40 42 (16) 74 07 (20)	Fixed red	Tub'lar lantern.	15	.....
315	HUDSON RIVER.	Jeffreys Hook Post-Light	East side of river, near Fort Washington, New York City, N. Y.	40 51 (00) 73 56 (50)	Two fixed red	Tub'lar lantern.	(30) (20)	.....
316	HUDSON RIVER.	Tarrytown	About ½ mile southwesterly of Kingsland Point, Tappan Sea, E. side of Hudson River, N. Y.	41 05 (06) 73 52 (28)	Fixed red	4	56	13
317	HUDSON RIVER.	Rockland Lake	.....	.....	.....	.....	.....	.....
318	HUDSON RIVER.	Stony Point	West side of river, at N. extremity of Haverstraw Bay and at the S. entrance to The Highlands, N. Y.	41 14 28 73 58 20	Fixed white	5	179	12½

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Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
301	White conical tower, on black conical foundation; lantern, black.	42	1880	.....	.....	
302	Brown crane, bolted to white post	.....	1889	.....	.....	
303	White stake, bolted to white post.....	.....	1889	.....	.....	To guide up Raritan River, clear of the dikes.
304	White stake, bolted to white post.....	.....	1889	.....	.....	
305	White, square, pyramidal, skeleton, iron tower; lantern, black; keeper's dwelling about 15 feet to southward and eastward; fog-bell tower, near edge of bluff, to southward and westward of light-tower.	61½	1890	.....	Bell struck by machinery every 15 sec.	Marks W. end of Coney Island.
306	.....	.....	1873	.....	Bell struck by machinery, alternately a single and a double blow, intervals 20 sec.	Deep water close-to.
307	Tower on white dwelling, with Mansard roof; lantern, black.	40	1828	1873	.....	
308	Conical tower; stone base, white; lower half of tower brown, upper half white; lantern, black.	46	1839	1883	Blower siren; blasts 3 sec., silent interval 3 sec. If siren be disabled, a bell will be struck by machinery every 15 sec.	To guide clear of the reef, on which it is built, to Hudson River and into Newark Bay, through Kill Van Kull. Siren sounds thus: Blast, 3 sec. — Silent interval, 3 sec. — Blast, 3 sec. — Silent interval, 3 sec.
309	Bronze statue on granite pedestal	.....	1886	.....	.....	The light is produced by an electric arc lamp within the torch of the statue. There is a vertical beam of red and yellow light, seen by reflection from the haze or dust in the air; the face and bust of the statute are illuminated by a search light in one of the salients of the fort; the coronet is decorated with red, white, and blue incandescent electric lights, and the pedestal is illuminated by a number of arc lamps placed within the salients of the fort, and not visible from outside the fort.
310	White post, with shelf and ladder; one lantern on shelf and other on top of post. Fog-bell house, painted white.	.....	1888	1888	Bell struck by machinery, a double blow, every 20 sec.	Lanterns, one vertically above the other.
311	Gray granite tower, in SE. angle of dwelling.	41	1849	1859	Bell struck by machinery every 15 sec.	Marks entrance to Newark Bay, through Kill Van Kull and turning point from Kill Van Kull into Newark Bay. To be left on starboard hand going in.
312	Black cylindrical pier, surmounted by an iron frame, from which lantern is suspended.	.....	1857	....	.....	On port side of channel, on edge of flats opposite Elizabethport, N. J.
313	White wooden tower attached to white dwelling.	41	1849	.....	Bell struck by machinery every 20 sec.	Guides clear of mud flats on W. side of channel.
314	Dolphin of five oak piles fastened together, from which lantern is suspended.	15	1854	.....	.....	Guide to channels entering Passaic and Hackensack rivers, and near the turning point for entering either river. To be left on the port hand entering either of the rivers.
315	Red post; lanterns, one vertically above the other.	.....	1889	.....	.....	
316	White conical tower, on red cylindrical foundation; lantern, black.	44	1883	.....	Bell struck by machinery every 20 sec.	Guides clear of flats at Tarrytown.
317	.....	.....	.....	.....	.....	*To be built.*
318	White octagonal tower, detached from dwelling. Fog-bell tower about 200 yards to eastward of light tower.	24	1826	.....	Bell struck by machinery every 15 sec.	Marks W. side of entrance to The Highlands.

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THIRD DISTRICT. NEW YORK.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nautical miles.
				° ′ ″				
319	Hudson River.	Iona Island Post-Light	West side of river, near N. point of the island, N. Y.	41 18 (30) 73 58 (43)	Fixed white	Tub'lar lantern.	35	.....
320		Con Hook Post-Light	West side of river, between the upper and lower ends of Con Hook Peninsula, N. Y.	41 21 (08) 73 57 (47)	Fixed white	Tub'lar lantern.	35	.....
321		West Point	On Gees Point, W. side of river, N. Y.	41 23 (45) 73 57 (04)	Fixed white	6	40	11½
322		Danskammer Point	On Danskammer Point, W. side of river, about 4 miles to the northward and eastward of Newburg, N. Y.	41 34 (25) 73 57 (47)	Fixed white	Tub'lar lantern.	44	.....
323		Esopus Island Post-Light	On W. side of Esopus Island, E. side of main channel, N. Y.	41 42 (30) 73 56 (52)	Two fixed red	Tub'lar lantern.	----	.....
324		Esopus Meadows	Opposite Esopus, W. side of river, N. Y.	41 52 (07) 73 56 (31)	Fixed white	5	53	12½
325		Rondout	On a mud flat, S. side of N. entrance to Rondout Creek, W. side of river, N. Y.	41 55 14 73 58 01	Fixed white	6	42	11½
326		Rondout South Dike Post-Light.	On end of S. dike, mouth of Rondout Creek, N. Y.	41 55 (02) 73 57 (59)	Fixed white	Tub'lar lantern.	19	.....
327		Rondout North Dike Post-Light (end).	On end of N. dike, mouth of Rondout Creek, N. Y.	41 55 (02) 73 57 (59)	Fixed red	Tub'lar lantern.	21	.....
328		Rondout North Dike Post-Light (middle).	On middle or bend of N. dike, mouth of Rondout Creek, N. Y.	41 55 (02) 73 57 (59)	Fixed red	Tub'lar lantern.	21	.....
329		Saugerties South Dike Post-Light.	On end of S. dike, entrance to Saugerties Creek, N. Y., W. side of river.	.....	Fixed red	Tub'lar. lantern.	25	.....
330		Saugerties	On a mud flat, N. side of entrance to Saugerties Creek, W. side of river, N. Y.	42 04 20 73 56 47	Fixed white	6	42	11½
331		Green Flats Post-Light	In 4 feet of water on the W. edge of Green Flats, E. side of the channel, about 1 mile N. by E. ½ E. from Saugerties Light-House, N. Y.	42 05 (20) 73 55 (42)	Fixed red	Tub'lar lantern.	15	.....
332		Upper Coal Beds Post-Light	On shoal in mid-river, W. side of main channel, about ½ mile above Germantown, N. Y.	42 08 (38) 73 53 (50)	Fixed white	Tub'lar lantern.	30	.....
333		Livingston Creek Post-Light	East side of river, on point making out S. of entrance to Livingston Creek, N. Y.	42 10 (52) 73 57 (32)	Fixed red	Tub'lar lantern.	30	.....
334		Catskill (West Flat) Post-Light.	West side of channel, about 1,000 feet above the landing.	42 12 (50) 73 50 (57)	Fixed white	Tub'lar lantern.	14	.....
335		Percy Reach Post-Light	NW. side of river, on edge of shoal making out from Brando Point, about 1½ miles south-southwesterly of Hudson City Light-House, N. Y.	42 14 (41) 73 49 (38)	Fixed white	Tub'lar lantern.	30	.....
336		Hudson City	On SW. end of the Middle Ground Mud Flat, NW. side of main channel and westerly of the city of Hudson, N. Y.	42 15 02 73 47 (59)	Fixed white	6	54	11½
337		Priming Hook Post-Light	On a knoll at Priming Hook, E. bank of the river, above Hudson City, N. Y.	.....	Fixed red	Tub'lar lantern.	30	.....
338		West Flats Post-Light	West side of river, N. of Athens Railroad Wharf, about ¾ mile S. of Four-Mile Point Light, N. Y.	42 17 (40) 73 46 (50)	Fixed white	Tub'lar lantern.	14	.....
339		Four-Mile Point	West side of river, about halfway between Athens and Coxsackie, N. Y.	42 18 22 73 47 01	Fixed white	6	98	11½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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NEW YORK. THIRD DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
119	Black post	.....	1889	.....	.....	
120	Black post	..	1889	.....	.....	
121	White hexagonal tower with brown trimmings; wooden fog-signal house below and in front of tower; lower part of house, white; upper part, shingled, natural color.	20	1853	1872	Bell struck by machinery every 20 sec.	Marks bend in river, and may be approached close to. NE. panel of lens obscured.
122	White wooden tower, with skeleton top, from front of which lantern is suspended.	31	1885	.... .	Bell struck by machinery every 20 sec.	Marks Danskammer Point.
123	Red post; lanterns 15 feet apart vertically.	.....	1891	.....	.....	
124	White tower and dwelling, on pier of rock-faced granite; mansard roof, dark brown; lantern, black.	37	1839	1872	Bell struck by machinery every 10 sec.	Guides clear of mud flats at mouth of Esopus Creek.
125	Square granite tower, in NE. angle of dwelling of dark granite, with light granite trimmings, on round granite pier; lantern, black.	32	1838	....	....	Guides clear of mud flats at S. side of N. entrance to Rondout Creek.
126	Black post	19	1880	.....	.. ..	Guide into Rondout Creek.
127	Red post	21	1880	.....	....	Guide into Rondout Creek.
128	Red post	21	1880	.....	....	Guide up Rondout Creek.
129	Red post	....	1891	....	....	Guide to entrance to Saugerties Creek.
130	Square drab brick tower, in SE. angle of drab dwelling; lantern black.	32	1835	1870	....	To guide clear of mud flats at entrance to Saugerties Creek.
131	Dolphin of five red piles	.....	1893	.....	....	Clermont Wharf, SE. ⅛ S.; Saugerties Light-House, S. by W. ½ W., 1 mile; NE. corner of wharf at Malden, N. by W. ½ W.
132	Black hexagonal structure, on black crib foundation.	20	1884	1888	.....	Marks S. extremity of Upper Coal Beds.
133	Red hexagonal structure, on red crib foundation.	20	1883	1888	....	Guides clear of point making out from Livingston Creek.
134	Black post, on black crib foundation	14	1884	....	.....	Marks W. edge of channel.
135	Black hexagonal structure, on black crib foundation.	20	1883	1888	.....	Guides clear of Brando Point.
136	Square red tower, rising from west front of red-brick dwelling, with limestone trimmings and Mansard roof; on limestone pier.	36	1874	.....	....	
137	Red post rising from the center of a small red structure.	.....	1893	.....	.....	
138	Black post, on black crib foundation	14	1884	.....	.....	Marks the edge of West Flats.
139	Brown conical tower, detached from white dwelling; lantern, black.	25	1854	1880	.....	Guides through W. or Athens Channel.

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THIRD DISTRICT. NEW YORK.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nautical miles.
				° ′ ″				
340		Lamphere Dock (Narrow Channel).	West side of river, ¼ mile N. of Four-Mile Point Light, N. Y.	42 18 (50) 73 46 (50)	Fixed white	Tub'lar lantern.	24	
341		Coxsackie East Flats	On E. flats, E. side of river, about ½ mile below Coxsackie Light, N. Y.		Fixed red	Tub'lar lantern.	29	
342		Coxsackie	On N. end of low island N. of Coxsackie, N. Y., and W. side of main channel of river.	42 22 47 73 47 42	Fixed white	6	42	11½
343		Stuyvesant	East side of river, N. Y	42 24 42 73 46 42	Fixed red	6	42	7½
344		Sand Spit	East side of channel, about 1 mile N. of Stuyvesant Light, on S. extremity of shoal making off about ½ mile S. from lower end of Hotaling Island, N. Y.	42 25 (33) 73 46 (25)	Fixed red	Tub'lar lantern.	29	
345		New Baltimore Post-Light	On a small island to westward of main channel of river, N. Y.	42 27 05 73 47 02	Fixed white	Tub'lar lantern.	16	
346		New Baltimore Dike Post-Light.	Near S. end of dike, E. side of main channel, W. side of Hotaling Island, N. Y.	42 27 14 73 46 (57)	Fixed red	Tub'lar lantern.	18	
347		Five-Hook Island Post-Light.	Behind the dike, near S. end of Calver Plaat Island, E. side of river.	42 27 50 73 46 (57)	Fixed red	Tub'lar lantern.	18	
348		Coeyman Bar Post-Light	On Middle Dike, W. side of channel, N. Y.	42 28 (21) 73 46 (57)	Fixed white	Tub'lar lantern.	25	
349		Roha Hook Post-Light	Behind the angle of dike, S. of Roha Hook, W. side of river, N. Y.	42 28 56 73 47 (20)	Fixed white	Tub'lar lantern.	17	
350	HUDSON RIVER.	Schodack Channel Post-Light.	Behind the dike, W. side of Mull Plaat Island, E. side of river, N. Y.	42 29 56 73 46 (39)	Fixed red	Tub'lar lantern.	20	
351		Mull Dike (lower end) Post-Light.	West side of river and channel, about 2 miles N. of Coeyman, N. Y.	42 30 (15) 73 46 (20)	Fixed white	Tub'lar lantern.	14	
352		Mull Dike (upper end) Post-Light.	West side of river and channel, about 2¼ miles N. of Coeyman and close to S. end of Shad Island, N. Y.	42 30 (37) 73 46 (12)	Fixed white	Tub'lar lantern.	14	
353		Nine-Mile Tree Post-Light	Behind the center of dike, about ¾ mile below Castleton, E. side of river, N. Y.	42 31 08 73 45 (51)	Fixed red	Tub'lar lantern.	20	
354		Cow Island Post-Light	On S. end of Cow Island, about ¼ mile above Castleton, E. side of river, N. Y.	42 32 16 73 45 21	Fixed red	Tub'lar lantern.	22	
355		Bear Island Post-Light	On corner of S. end of Government Dike, about ½ mile below S. end of Bear Island, W. side of river, N. Y.	42 33 (25) 73 45 (03)	Fixed white	Tub'lar lantern.	20	
356		Staat Point Post-Light	East side of river, about midway between Bear Island and Van Wies Point lights.		Fixed red	Tub'lar lantern.	30	
357		Van Wies Point	On S. end of stone dike, about 3 miles below Albany, W. side of river, N. Y.	42 35 08 73 45 (29)	Fixed white	Tub'lar lantern.	18	
358		Cross Over Post-Light	On N. end of stone dike, about 1¼ miles below Albany, W. side of river, N. Y.	42 36 52 73 45 (43)	Fixed white	Tub'lar lantern.	26	
359		Cuyler Dike Post-Light	On lower or S. end of dike, E. side of river, near Albany, N. Y.	42 37 41 73 45 (07)	Fixed red	Tub'lar lantern.	20	
360		Bath Dike Post-Light	East side of river, about 1 mile N. of Albany, opposite upper end of Lower Patroon Island.	42 40 (08) 73 43 (08)	Fixed red	Tub'lar lantern.	14	
361		Pleasure Island Post-Light	On lower end of Pleasure Island, opposite Round Shoal, above Albany, W. side of channel.	42 40 (47) 73 42 (52)	Fixed white	Tub'lar lantern.		
362		Covells Folly Post-Light	On lower end of Covells Folly, above Albany, E. side of channel, N. Y.	42 41 (22) 73 42 (13)	Fixed red	Tub'lar lantern.		

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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NEW YORK. THIRD DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
340	Black hexagonal structure, on brick base.	12	1884	.....	.....	Guides through narrow channel on W. side of river.
341	Red post on red pyramidal crib foundation.	22	1891	.....	.....	Guides clear of E. flats.
342	Square red tower with granite trimmings, in NE. angle of red dwelling on stone pier; lantern, black.	32	1829	1868	.....	
343	Square red tower, in SW. angle of red dwelling on granite pier; lantern, black. Old dwelling near.	32	1829	1868	.....	
344	Red post, on red crib foundation	39	1891	.....	.....	
345	Black post, on black crib foundation..	15	1854	1871	.....	
346	Red post, on red crib foundation.....	32	1871	1888	.....	
347	Red post, on red crib foundation	32	1857	1888	.....	
348	Black post, on black crib foundation..	32	1857	1888	.....	
349	Black post, on black crib foundation..	12	1869	.....	.....	
350	Red post, on red crib foundation.....	30	1857	1888	.....	
351	Black post, on black crib foundation..	14	1884	.....	.....	Marks lower end of Mull Dike.
352	Black post, on black crib foundation..	14	1884	1891	.....	Marks upper end of Mull Dike.
353	Red post, on red crib foundation.....	12	1869	.....	.....	
354	Red post, on red crib foundation.....	12	1854	.....	.....	
355	Black post, on black crib foundation..	32	1879	1888	.....	
356	Red post.....	.....	1889	.....	.....	
357	White stone beacon with black crane on top.	12	1854	.....	.....	Marks end of dike.
358	Black post, on black crib foundation..	30	1870	1888	.....	
359	Red post, on red crib foundation.....	12	1869	.....	.....	
360	Red post, on red crib foundation	39	1884	1888	.....	
361	Black post.....	12	1891	.....	.....	
362	Red post.....	12	1891	.....	.....	

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THIRD DISTRICT. NEW JERSEY.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nautical miles.
			° ′ ″				
279	NAVESINK (northerly light) ..	On small bare plateau on easternmost spur of Highlands of Navesink, N. J.	40 23 48 73 59 10	Fixed white	1	248	22½
280	NAVESINK (southerly light)....	228 feet S. by E. ¾ E. from the preceding	40 23 46 73 59 09	Fixed white	1	248	22½

FOURTH DISTRICT. NEW JERSEY.

363	Squan Inlet	.....	.....	.....	.....	.....	.....
364	BARNEGAT	South side of Barnegat Inlet, on N. end of Long Beach, N. J.	39 45 52 74 06 24	Flashing white every 10 sec.	1	165	19
365	TUCKER BEACH.....	Near entrance to Little Egg Harbor, N. J.	39 30 22 74 17 08	Fixed white for 1 minute, followed by six consecutive red flashes at intervals of 10 sec.	4	52	12½
366	ABSECON	On S. side of Absecon Inlet, Atlantic City, N. J.	39 21 59 74 24 52	Fixed white	1	167	19
367	LUDLAM BEACH.....	On Ludlam Beach, Sea Isle City, N. J...	39 09 42 74 41 05	Flashing white every 15 sec.	4	40	11½
368	HEREFORD INLET.....	South side of Hereford Inlet, in a grove on N. end of Five-Mile Beach, seacoast of New Jersey.	39 00 24 74 47 28	Fixed white	4	57	13
369	*Northeast End of Five-Fathom Bank Light-Vessel, No. 44.*	Off the coast of New Jersey, near NE. end of Five-Fathom Bank Shoal, N. J.	38 57 (52) 74 32 (21)	Fixed red (foremast) Fixed white (mainmast.)	Refl'r.	40 25	11½ 10
370	*Five-Fathom Bank Light-Vessel, No. 40.*	Off the entrance to Delaware Bay, about 4½ miles southerly from Five-Fathom Bank, N. J.	38 48 (37) 74 36 (02)	Two fixed white	Refl'r.	40 45	11½ 12
371	CAPE MAY.....	Northeast side of entrance to Delaware Bay, N. J.	38 55 59 74 57 39	Flashing white every 30 sec.	1	167	19

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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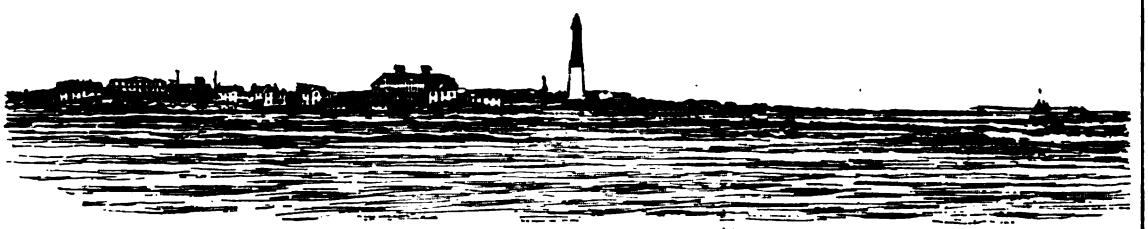
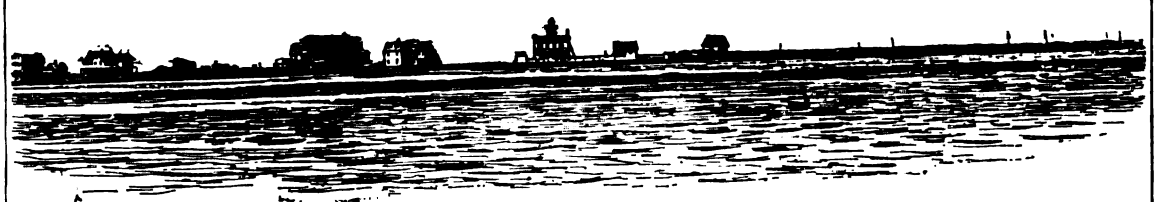
Barnegat Light Station N.J.
N.N.W ½ mile.



Tucker Beach Light Station N.J.
N.W by W ½ mile



Absecon Light Station N.J.
N.N.W. ½ mile.

Ludlam Beach Light Station N.J.
N.W by N. ½ mile

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NEW JERSEY. THIRD DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
279	Two brown stone towers, connected by brown stone dwelling. Northerly tower, octagonal; southerly tower, square.	53	1762	1862	.....	
280		53	1762	1862	.....	

NEW JERSEY. FOURTH DISTRICT.

363	.....	.....	.....	.....	.....	To be built.
364	Lower half of tower, white; upper half, red; lantern, black; dwelling, white, with lead-colored trimmings and green shutters.	150	1834	1858	....	Thirty-eight and one-fourth miles from Navesink Lights.
365	Tower and lantern, black; dwelling, white, with green shutters and lead-colored trimmings. Hotel near by, gray.	46	1848	1879	.....	Eighteen miles from Barnegat Light, and 10 miles from Absecon Light.
366	Lower third of tower, white; middle third, red; upper third, including lantern, white. Two white dwellings, with lead-colored trimmings and green shutters.	159	1856	.....	....	Twenty-eight miles from Barnegat Light; 37 miles from Cape May Light. There is a life-saving station here.
367	White dwelling, with lead-colored trimmings and green shutters, surmounted by black lantern.	29½	1885	.....	....	Eleven miles from Hereford Inlet Light, and 17 miles from Absecon Light. Vessels bound down the coast should keep this light in sight to clear the shoal off Townsend Inlet. When the light disappears or bears N., they should steer S. until Hereford Inlet Light comes in view, when they will be clear of the shoal. There is a life-saving station 340 feet SW. from the light-house.
368	Tower on white dwelling, with lead-colored trimmings and chimneys; lantern, black.	49½	1874	.....	....	Cape May Light distant 9 miles. Vessels bound up the coast should keep this light in sight until they make Ludlam Beach Light, when they will be clear of the shoal off Townsend Inlet. There is a life-saving station about 300 feet N. of the light-house.
369	Two masts, schooner-rigged; black hoop-iron day-mark at foremast-head, surmounted by black ball. Hull painted red, with the words "NORTHEAST END" on each side, and "44" on stern, in large black letters and figures.	.....	1882	....	12-inch steam whistle; blasts 4 sec., alternate silent intervals of 5 and 107 sec. If whistle be disabled a bell will be rung by hand.	Red light at foremast-head, white light on mainmast, about half-mast high. Five Fathom Bank Light-Vessel, SSW. ⅛ W., 9½ miles. Hereford Inlet Light, WNW. ½ W., 12 miles. Vessels of deep draft should pass to the seaward of this light-vessel. Whistle sounds thus: Blast, 4 sec. — Silent interval, 5 sec. — Blast, 4 sec. — Silent interval, 107 sec.
370	Two masts, schooner-rigged; red hoop-iron day-mark at each mast-head. Hull, straw-color, with the words "FIVE-FATHOM BANK" in large black letters on each side, and "No. 40" on each quarter, in black figures.	.....	1839	1875	12-inch steam whistle; blasts 4 sec., silent intervals 56 sec. If whistle be disabled a bell will be rung by hand.	Cape Henlopen Light, W. ½ N., 22¾ miles; Cape May Light, NW. by W. ⅝ W., 18⅜ miles; Twenty-one-foot Shoal Buoy, red, No. 2, NW. ½ N., 2¾ miles. Whistle sounds thus: Blast, 4 sec. — Silent interval, 56 sec. — Blast, 4 sec. — Silent interval, 56 sec.
371	Tower, gray; lantern, red; two white dwellings, with lead-colored trimmings and green shutters.	159	1823	1859	.....	Eleven miles from Cape Henlopen Light, and 18⅜ miles from Five-Fathom Bank Light-Vessel. There is a life-saving station about 260 yards SE. from the light tower.

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FOURTH DISTRICT. DELAWARE.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nautical miles.
			° ′ ″				
372	CAPE HENLOPEN.....	Southwest side of entrance to Delaware Bay, Del.	38 46 42 75 05 03	Fixed white, with a fixed red sector between SE. ½ E. and S. ½ E.	1	128	17½
373	Delaware Breakwater (east end).	On E. end of breakwater, S. side of entrance to Delaware Bay, Del.	38 47 (50) 75 06 (02)	Fixed red from W. ½ S. around by the southward to ESE. ½ E.; fixed white throughout the remaining sector.	4	65	13½
374	Delaware Breakwater (front).	On W. end of breakwater, S. side of entrance to Delaware Bay, Del.	38 47 57 75 06 29	Fixed white, 2½ sec., eclipse 2½ sec.	4	47	12½
375	Delaware Breakwater (rear).	About 2 miles NW. from Lewes, Del., and 2⅞ miles W. ½ S. in rear of the preceding.	38 47 28 75 10 10	Fixed white, with a dark sector.	3	108	16½
376	Mispillion Creek	On W. side of mouth of Mispillion Creek, W. side of the bay, Del.	38 56 52 75 18 56	Fixed white, with narrow red sector.	6	48	11½

Range. Delaware Bay.

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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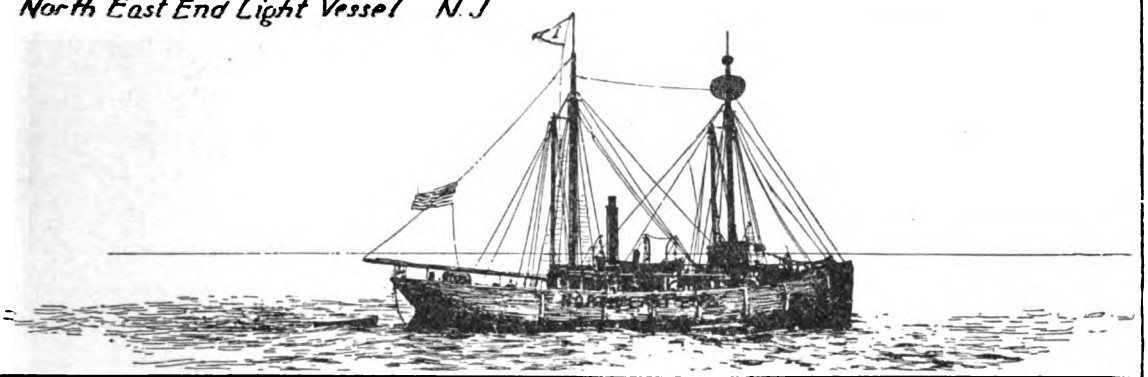
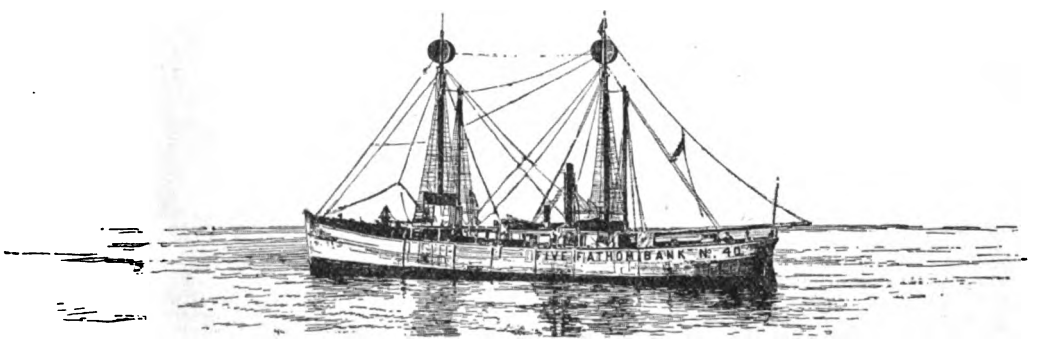
North East End Light Vessel N.J

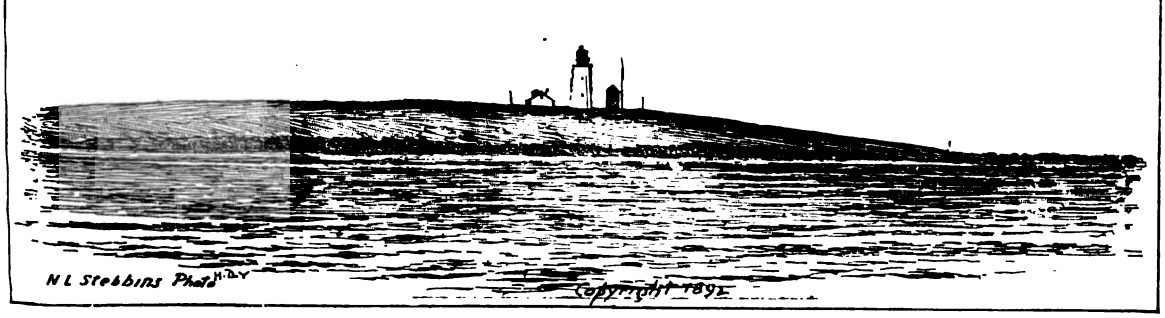


Five Fathom Bank Light Vessel N J



Cape May Light Station N.J
N.W by W ½ mile.

Cape Henlopen Light Station Del
W by N ½ mile



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DELAWARE. FOURTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
372	White tower and dwelling, standing in depression in the top of a high sand hill; lantern and watchroom, black.	82	1764	.....	.....	About 22½ miles from Five-Fathom Bank Light-Vessel. This light shows *red* within an angle of about 45 degrees, formed by a line extending from the light to Brandywine Shoal Light (passing outside The Shears and Brown Shoal) and a line extending from the light and just clearing the northwest end of the ice-breaker part of Delaware Breakwater. When the light shows white, vessels between Brandywine Shoal and Cape Henlopen are clear of all shoals to the westward, including and below Brown Shoal; when it changes from faint red to bright red it is dangerous to pass farther to the westward until reaching the point above Brown Shoal where a change of course is made to go up the bay. Vessels seeking harbor above or behind the breakwater, and wishing to enter at the northern end, will be clear of the ice-breaker as soon as the light changes to white. There is a signal-display station about 110 yards WNW. ¾ W. from the light-tower.
373	Brown conical tower, surmounted by black lantern.	51	1885	.....	3d-class Daboll trumpet; blasts 3 sec., silent intervals 27 sec. *After January* 15, 1894.	To vessels coming from the southward this light shows red clear of the sand hills to the northward of Cape Henlopen Light. Care should be taken not to approach the latter light too closely, in order to avoid the Hen and Chickens Shoal. Delaware Breakwater Front Light (fixed white, 2½ sec., eclipse 2½ sec.) in range with this light (fixed red), marks a line clear of the northern end of the Hen and Chickens Shoal. When this light is in range with the Delaware Breakwater Rear Light, or when it changes from a red to a white light, or bears W. ¾ S., it marks a line passing about 150 yards clear of the point of the cape, and vessels should approach no nearer the cape than this line. When in range with Cape Henlopen Light, this light marks the line of shoals making down from The Shears. Delaware Breakwater Front Light, in range with Cape Henlopen Light, marks a line inside the shoals. A change in this light from white to red (when it bears ESE. ½ E.) marks the inside limit of the outer harbor. This light showing red and Cape Henlopen Light showing white, guide clear of the western end of the ice-breaker into the Breakwater Harbor. Trumpet (*after January* 15, 1894) sounds thus: Blast, 3 sec. — Silent interval, 27 sec. — Blast, 3 sec. — Silent interval, 27 sec.
374	Light on white dwelling; lantern black.	43	1849	.....	.....	With the next, forms a range for entering Delaware Bay. Vessels entering must not pass to the N. of the range line until Cape May Light bears NNE.
375	Brown skeleton tower; white dwelling near by with lead-colored trimmings and green shutters.	100	1881	.....	.....	This light is visible along the Delaware shore, from the northward, between the bearings SE. ½ S. and S. by E. ½ E., and from the southward, to a line bearing WSW. ¾ W. Between WSW. ¾ W., and S. by E. ½ E. (the angle covering The Shears), the light is not visible. Vessels coming down the bay on the eastern edge of the red sector of Cape Henlopen Light, and bound for the breakwater, will be clear of the lower end of The Shears when the rear light of Breakwater Range becomes visible on the bearing WSW. ¾ W. Cape May Light, NE. ½ E., 13 miles.
376	White tower, connected with white dwelling with lead-colored trimmings and green shutters; lantern, black.	45	1873	.....	.....	Fifteen miles NW. of Cape Henlopen Light. The red sector marks the line of turning into Mispillion Creek; the light upon this line bearing N. ¼ W. The red sector does not affect the color of the light seaward.

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FOURTH DISTRICT. NEW JERSEY AND DELAWARE.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nautical miles.
				° ′ ″				
377		Brandywine Shoal	On Brandywine Shoal, ¼ mile from lower end, E. side of channel, Del.	38 59 10 75 06 48	Fixed white 27 sec., eclipse 3 sec., from N. by W. ½ W. through W. to SSE. ½ E.; fixed red 27 sec., eclipse 3 sec., throughout the remaining sector.	3	46	12
378	DELAWARE BAY.	Fourteen-Foot Bank	On Fourteen-Foot Bank, W. side of channel, Del.	39 02 (55) 75 10 (56)	Fixed white alternately 14 sec. and 40 sec., eclipses 3 sec., from NNW. through E. to SSE. ½ E.; fixed red alternately 14 sec. and 40 sec., eclipses 3 sec., throughout the remaining sector.	4	44	12
379		Maurice River	Near mouth of Maurice River, N. J.	39 11 45 75 01 40	Fixed red	6	48	7½
380		Egg Island	On Egg Island, N. J.	39 10 44 75 08 13	Fixed white	5	50	12½
381		Cross Ledge	On lower end of Cross Ledge Shoal, E. side of channel, N. J.	39 09 47 75 14 13	Fixed white 17 sec., eclipse 3 sec., from NNW. through W. to SE. by S.; fixed red 17 sec., eclipse 3 sec., throughout the remaining sector.	4	58	13
382		Mahon River	At mouth of Mahon River, Del.	39 10 40 75 23 59	Fixed white with a fixed red sector between W. ¼ N. and W. by S.	4	57	13

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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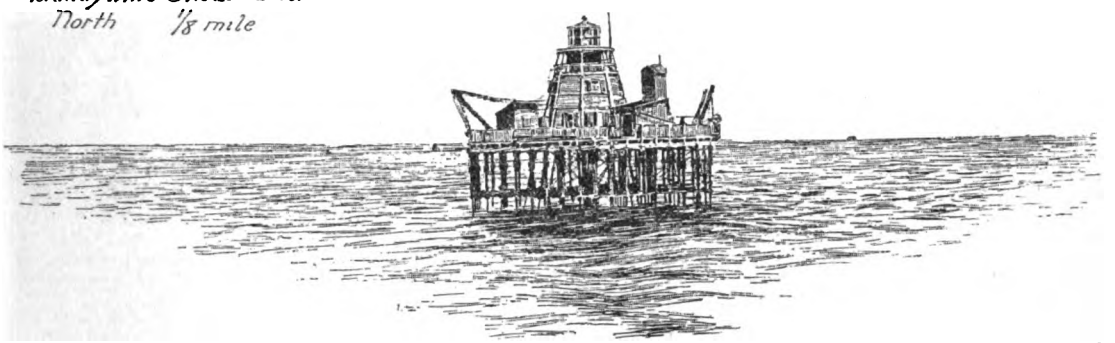
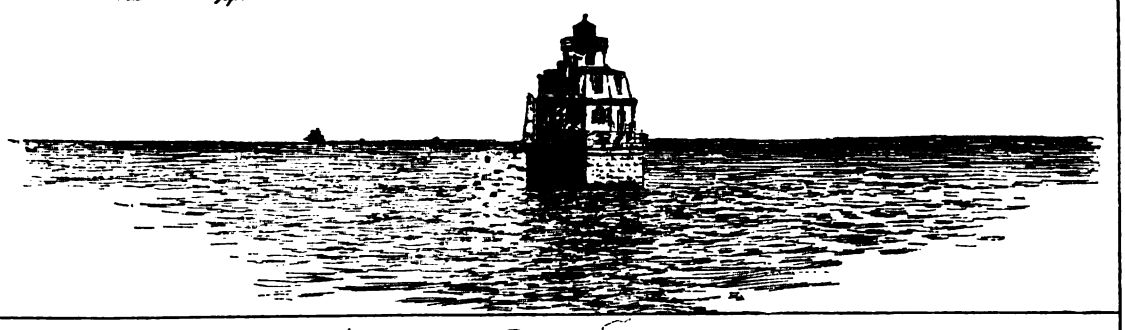
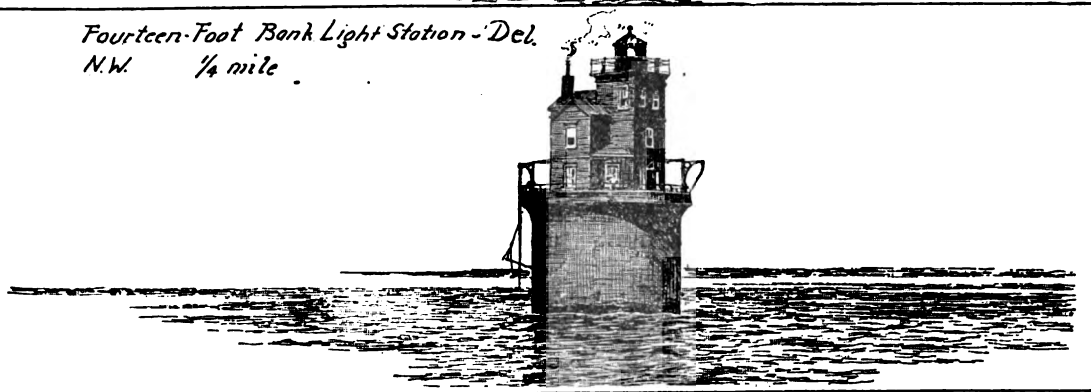
Brandywine Shoal Del.
North 1/8 mile



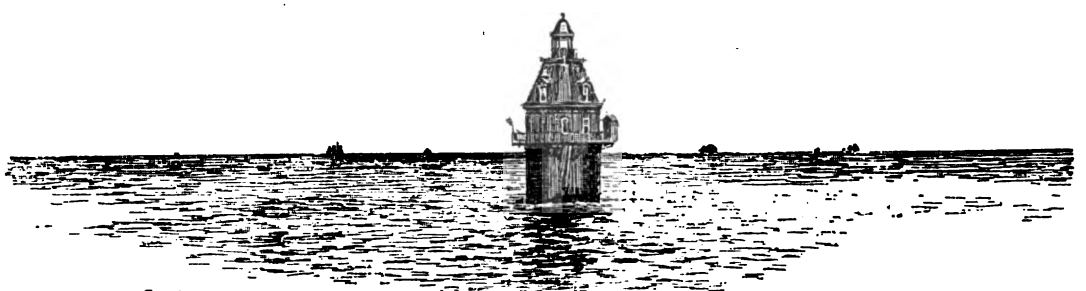
Cross Ledge Light Station N.J.
N.E. 1/4 mile



Fourteen-Foot Bank Light Station - Del.
N.W. 1/4 mile



Ship John Shoal Light Station. N.J.
N.N.E 1/4 mile



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NEW JERSEY AND DELAWARE. FOURTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
377	Red screw-pile structure and screw-pile ice-breaker; shutters, green.	.....	1850	.....	Bell struck by machinery, a double blow every 30 sec.	Vessels bound up Delaware Bay are clear of all dangers on E. side of channel so long as Brandywine Shoal light shows *white* until within 1 mile of this light, but should approach no nearer Brandywine Shoal. When clear of Brown Shoal, vessels should run for the light on Fourteen-Foot Bank until about ⅛ mile to the eastward and abreast of it, then run toward Cross Ledge Light, keeping both Brandywine Shoal and Cross Ledge lights *white* until abreast of Cross Ledge; thence keep Ship John Shoal a *white* light until within 3 miles of this light, at which point both Ship John Shoal and Cross Ledge lights should show *white;* thence pass Ship John Shoal keeping the Cross Ledge Light *white;* thence run for the Port Penn Range, keeping Ship John Shoal *white.* In coming down the bay keep the Port Penn Lights in range and Ship John Shoal Light *white* until within 3 miles of this light; then keep Cross Ledge Light *white* until 3 miles below Ship John Shoal, at which point both Ship John Shoal and Cross Ledge lights should show *white;* then keep Ship John Shoal Light *white* until abreast of Cross Ledge; then steer for Fourteen-Foot Bank Light, passing it about ⅛ mile to the eastward, keeping Brandywine Shoal and Cross Ledge lights both *white* until 1 mile below Brandywine Shoal; then run in the *white* light of Cape Henlopen and Brandywine Shoal.
378	Cylindrical foundation, expanding in trumpet shape under main gallery, surmounted by a two-story dwelling with gable roof; tower, surmounted by lantern, rises from E. side of dwelling. Entire structure painted brown.	.....	1886	.....	2d-class Daboll trumpet; blasts 5 sec., silent intervals 25 sec.	The *red* sector covers Brown Shoal to the southward and Joe Flogger Shoal to the northward of this light. Vessels bound up the bay running in the white light of Cape Henlopen, and making Fourteen-Foot Bank Light showing white, being clear of Brown Shoal on the W. side of the channel, can then steer for the light, keeping it white, until nearly up with it, passing about ⅛ mile to the eastward. After passing keep the lights showing white, but occasionally sheering over to the westward to touch the edge of the red sector so as to assure not getting too far to the eastward. When Cross Ledge Light is passed, and the red sector in Mahon River Light is run through, the white light appearing, vessels may sheer over to the eastward, touching the edge of the red sector in either Ship John Shoal Light or Cross Ledge Light. Vessels will be in safety from shoals on the E. side of channel as long as either of these lights shows white below Ship John Shoal. Trumpet sounds thus: Blast, 5 sec. — Silent interval, 25 sec. — Blast, 5 sec. — Silent interval 25 sec.
379	Black lantern on white dwelling.....	39	1849	.....	.....	
380	Black lantern on white dwelling; brick pier foundation.	45	1837	1878	.....	
381	Black lantern on white dwelling, with lead-colored trimmings, green shutters, and Mansard roof, on granite pier.	36	1875	.....	Bell struck by machinery every 10 sec.	
382	White tower; white dwelling, with lead-colored trimmings and green shutters, attached; lantern, black.	51	1831	1875	.....	The southern edge of the red sector marks about 250 yards above the Elbow of the Ledge Buoy (red, No. 14), and the northern edge marks the Buoy of the Middle (black and white perpendicular stripes).

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FOURTH DISTRICT. NEW JERSEY AND DELAWARE.

Number.			Name.	Location.	Latitude, north, Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nautical miles.
					° ′ ″				
383	Del. Bay.		Ship John Shoal	In 8 feet of water, on Ship John Shoal, E. side of channel, N. J.	39 18 19 75 22 37	Fixed white 57 sec., eclipse 3 sec., from NNW. ¾ W. through W. to SE. ¾ S.; fixed red 57 sec., eclipse 3 sec., throughout the remaining sector.	4	53	12¼
384	Del. Bay.		Cohansey	On S. side of Cohansey Creek, near its mouth, NE. side of bay, N. J.	39 20 22 75 21 37	Fixed white with a fixed red sector between W. ¼ S. and NW. by N.	5	45	12
385	Delaware River.		Bombay Hook	Near mouth of Duck Creek, Del., 4½ miles above Bombay Hook Point, Del.	39 21 49 75 30 38	Fixed white	4	46	12
386	Delaware River.	Range.	Port Penn (front)	Near Delaware shore of river, about 1½ miles below Port Penn, Del.	39 29 32 75 35 22	Fixed white	Range lens.	40	.....
387	Delaware River.	Range.	Port Penn (rear)	About 1½ miles NW. by N. in rear of the preceding.	39 30 41 75 36 34	Fixed white	Range lens.	140	.....
388	Delaware River.		Reedy Island	On lower end of Reedy Island, W. side of river, Del.	39 30 03 75 34 09	Fixed white from SSE. through northward and eastward to N. by E. ¼ E., except in the narrow sector between N. by W. and N. ¼ E., in which the light shows red. From N. by E. ¼ E. to ENE. the light shows red.	4	36	11½
389	Delaware River.	Range.	Finns Point (front)	Near the shore on New Jersey side of river, about ¾ mile below Finns Point, N. J.	39 35 39 75 32 18	Fixed white	Range lens.	30	.....
390	Delaware River.	Range.	Finns Point (rear)	About 1⅞ miles N. by E. ¼ E. in rear of the preceding, N. J.	39 37 02 75 32 03	Fixed white, with red cut.	Range lens.	105	.....
391	Delaware River.	Bulkhead Shoal Ranges. Range.	New Castle (front)	Near the shore on Delaware side of river, about 1¾ miles below New Castle, Del.	39 38 33 75 35 44	Fixed white	Range lens.	20	.....
392	Delaware River.	Bulkhead Shoal Ranges. Range.	New Castle (rear)	About ¾ mile N. by W. ¾ W. in rear of the preceding, Del.	39 38 54 75 35 58	Fixed white	Range lens.	90	.....
393	Delaware River.	Bulkhead Shoal Ranges. Range.	Deep Water Point (front).	On New Jersey side of river, about ¾ mile below Deep Water Point, N. J., at the mouth of Salem Canal.	39 41 12 75 30 34	Fixed white	Range lens.	25	.....
394	Delaware River.	Bulkhead Shoal Ranges. Range.	Deep Water Point (rear).	About 1½ miles NE. ¼ E. in rear of the preceding, N. J.	39 41 59 75 29 38	Fixed white	Range lens.	98	.....

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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NEW JERSEY AND DELAWARE. FOURTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
383	Black lantern surmounting brown octagonal dwelling, one story, with high Mansard roof, on brown cylindrical foundation.	.....	1874	.....	Bell struck by machinery, a triple blow every 45 sec.	
384	White frame dwelling on iron piles; lantern, black.	35	1838	1883	.....	From points in Cohansey Creek lying between W. ¼ S. and SSE. ½ E. the light shows dimly.
385	White dwelling, with lead-colored trimmings and green shutters; lantern, black.	36	1831	.....	.....	
386	White dwelling, with lead-colored trimmings and green shutters, surmounted by tower.	34	1877	.....	.....	This range, in connection with the Finns Point Range, marks channel from below Bombay Hook to Reedy Point, where the New Castle Range is reached.
387	Brown tower showing above trees; white dwelling with lead-colored trimmings and green shutters near by, but not visible in the range.	120	1877	.....	.....	
388	White dwelling, with lead-colored trimmings and green shutters, surmounted by tower; lantern, black. Old white tower, detached from dwelling, remains as day-mark. Fog-signal house on bank, about 40 feet S. of old tower.	31	1839	1879	Bell struck by machinery every 15 sec.	Bound down the bay on the Finns Point Range, or up the bay on the Port Penn Range, the change of this light from white to red will indicate that the turning point has been reached. The narrow white sector covers the dike making out to the southward from Reedy Island.
389	Red tower, with square day-mark on top, showing white horizontal bars; dwelling attached, white.	26	1877	.....	.....	This range, in connection with Port Penn Range, marks channel from below Bombay Hook to Reedy Point, where New Castle Range is reached. Baker Shoal is not more than 200 yards to eastward of this range. The *red light* in rear tower marks Bulkhead Shoal, and will assist in judging of the proper point at which to commence the turn at this locality. Vessels running on these ranges, when nearing the buoys next above or below the turning buoy, will see a faint reddish light; when abreast of either of these buoys the light will appear a bright red. The red light indicates the points at which the turn should commence.
390	Brown tower showing above trees....	95	1877	.....	.....	
391	White tower, 30 feet to westward of white dwelling, with lead-colored trimmings and green shutters.	11	1876	.....	.....	This range, in connection with Deep Water Point Range, marks channel from below Pea Patch Island nearly to Deep Water Point. The point of intersection is on the W. side of the channel, in about 18 feet of water, and vessels drawing that depth must be careful to pass, from one range to the other, to the eastward of the point of intersection, where there is ample room and a good channel. The detached tower on with the rear light marks the range line.
392	White tower, attached to white dwelling with lead-colored trimmings, green shutters, and red roof.	50	1876	.....	.....	
393	Red tower and lantern, with square day-mark on top, showing white horizontal bars; white dwelling, with lead-colored trimmings and green shutters, attached. Roof of dwelling facing down river painted red.	17	1876	.....	.....	This range, in connection with New Castle Range, marks channel from below Pea Patch Island nearly to Deep Water Point. The point of intersection is on the W. side of the channel, in about 18 feet of water, and vessels drawing that depth must be careful to pass, from one range to the other, to the eastward of the point of intersection, where there is ample room and a good channel.
394	Brown tower, with dwelling near, but not visible in the range.	95	1876	.....	.....	

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FOURTH DISTRICT. DELAWARE, PENNSYLVANIA, AND NEW JERSEY.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nautical miles.
	DELAWARE RIVER.		° ′ ″				
395	Cherry Isl'd Flats Range. — Christiana Beacon	On pier at end of jetty, mouth of Christiana Creek, Del.	39 43 (09) 75 31 (01)	Fixed red	4	47	11½
396	Christiana	At mouth of Christiana Creek, Wilmington, Del.	39 43 18 75 31 15	Fixed white	4	48	12½
397	Cherry Isl'd Flats Range. — Cherry Island (front)	On a pier near low-water line, about ⅛ mile above Edgemoor Iron Works, Del.	39 45 03 75 29 41	Fixed white	5	34	.....
398	Cherry Isl'd Flats Range. — Cherry Island (rear)	Nearly ⅛ mile NNE. ½ E. in rear of the preceding.	39 45 43 75 29 24	Fixed white	Refl'r.	120	.....
399	Fort Mifflin Range. — Schooner Ledge (front)	About 1 mile below Lazaretto, near mouth of Crum Creek, Pa.	39 51 (28) 75 19 (27)	Fixed white	Refl'r.	37	.....
400	Fort Mifflin Range. — Schooner Ledge (rear)	In Derby Creek Valley, Pa., about 1½ miles in rear of the preceding.	39 52 (14) 75 18 (03)	Fixed white	Refl'r.	100	.....
401	Tinicum Island and Fort Mifflin Bar Ranges. — Billingsport (front for both).	On river bank on New Jersey side of river, about ⅛ mile below Billingsport, N. J.	39 50 51 75 15 11	Fixed white	5	37	11½
402	Tinicum Island and Fort Mifflin Bar Ranges. — Tinicum Island (rear)	Nearly ⅛ mile E. ⅛ S. in rear of the preceding, toward Billingsport, N. J.	39 50 51 75 14 24	Fixed red	5	109	8½
403	Tinicum Island and Fort Mifflin Bar Ranges. — Fort Mifflin Bar Cut (rear).	About ½ mile SW. by W. ⅛ W. in rear of Billingsport (front) Light, N. J.	39 50 35 75 15 40	Fixed red	5	70	8½
404	Fort Mifflin Fog-Signal Station.	On dock at Fort Mifflin, W. side of river, Pa.	.....	.....	.....	.....	.....
405	Horseshoe Range, West Group. — Lower, front (white)	On river bank of Fort Mifflin Reservation, Pa., above fort, W. side of mouth of the Schuylkill River.	.....	Fixed white	Refl'r.	.....	.....
406	Horseshoe Range, West Group. — Lower (rear)	On Fort Mifflin Reservation, Pa., about ⅛ mile W. by N. in rear of the preceding.	.....	Fixed white	Refl'r.	.....	.....
407	Horseshoe Range, West Group. — Lower front (red)	On river bank of Fort Mifflin Reservation, Pa., about 220 feet northeasterly from the white *front* light.	.....	Fixed red	Refl'r.	.....	.....
408	Horseshoe Range, East Group. — Upper, front (red)	On bank of river in Howell Cove, about 1½ miles below Gloucester, N. J.	.....	Fixed red	Refl'r.	.....	.....
409	Horseshoe Range, East Group. — Upper (rear)	About 600 feet S. ½ E., in rear of the preceding.	.....	Fixed white	5	.....	.....
410	Horseshoe Range, East Group. — Upper, front (white)	On bank of river in Howell Cove, N. J., about 500 feet ENE. ½ E. from red *front* light and about 850 feet NNE. ⅛ E. in front of rear light.	.....	Fixed white	Refl'r.	.....	.....

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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DELAWARE, PENNSYLVANIA, AND NEW JERSEY. FOURTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
395	Pyramidal wooden skeleton tower, painted red. Red paling fence around top of pier.	54	1884	.....	.....	
396	Black lantern, on white dwelling with lead-colored trimmings and green shutters; roof, slate-color.	41	1885	.....	.....	
397	White tower; lantern and roof, red; on pier near low-water line. White dwelling near, with lead-colored trimmings and green shutters.	21	1880	.....	Bell struck by machinery every 15 seconds.	Lights, to mark channel dredged across Cherry Island Flats. The range intersects the Deep Water Point Range in deep water, and vessels can pass directly from one to the other. The channel has a depth of 24 feet, and is now being widened.
398	Tower and attached dwelling white, with lead-colored trimmings and green shutters; lantern, railing, and roof, black.	39½	1880	.....	.....	
399	Square red tower on white dwelling, resting on iron piers. Gable end of dwelling showing down river painted white; lantern, red; white day-mark on each side, extending up as high as the lantern.	28	1880	.....	.....	The range intersects the continuation of line joining the front light of the Cherry Island Flats Range and Christiana Light, in deep water, and is available from that point to its intersection with Tinicum Island Range. Vessels must be careful not to pass beyond these intersections. The range will carry through the best water over Schooner Ledge, passing to eastward of Illinois Rock, and must be held very closely.
400	Brown tower, showing well above trees.	99	1880	.....	.....	
401	Detached square, white, open frame-work tower, lantern, black; white dwelling with lead-colored trimmings and green shutters, distant about 50 feet.	17	1880	1887	.....	Serves as front light for Tinicum Island and Fort Mifflin Bar Cut ranges.
402	Brown tower; showing above trees. Black staff, surmounted by black disk, with horizontal open spaces, on top of tower.	80	1880	.....	.....	This range intersects Schooner Ledge Range in deep water, and vessels can pass directly from one to the other, taking care not to pass beyond the intersection. The range can be held, coming upstream, until the rear light of the Fort Mifflin Bar Cut Range is visible, when the course must be changed two points to port.
403	Detached pyramidal white tower in front of dwelling. Lantern and watchroom, black; dwelling, white with lead-colored trimmings and green shutters.	56	1880	.....	.....	This range can be held by vessels *going down* until the rear light of Tinicum Island Range is visible, when the course must be changed one and one-half points to starboard. Going up, the range can be held to its intersection with Schuylkill River Range.
404	Open-frame bell tower.....	.....	1866	.....	Bell struck by machinery every 15 sec.	
405	Small square white structure.....	6½	1881	.....	.....	Range lights for passing through Horseshoe Bend, Delaware River. The lights are in two groups, each group consisting of three lights—a rear light, fixed white, and two front lights, one fixed white and the other fixed red.
406	Square white tower, near white dwelling with lead-colored trimmings and green shutters.	41	1881	.....	.....	The rear light of the first or west group, with its *white* front light, forms a range to mark the channel passing League Island. Vessels running upstream pass directly from the Fort Mifflin Bar Cut Range to this range and hold it to the *lower turning point*, which is where the lower or red front light of the east (Howell Cove) group is in line with the rear structure of that group. At this point a change of three points must be made to port.
407	Small square red structure	6½	1881	.....	.....	
408	Small square red structure	6½	1881	.....	.....	The rear light of the second or east group, with its appropriate white or upper front light, forms a range marking the channel from opposite Greenwich Point to the *upper turning point*, which is where the upper or red front light on Fort Mifflin (west group) comes in range with its appropriate rear light. At this intersection vessels going downstream change their course three points to starboard. The distance between these turning points is about ⅞ mile, which is unmarked.
409	Square white tower; dwelling near, painted white with lead-colored trimmings and green shutters.	41	1881	.....	.....	
410	Small square white structure.....	6½	1881	.....	.....	

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FOURTH DISTRICT. PENNSYLVANIA, NEW JERSEY, DELAWARE, AND MARYLAND.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nautical miles.
			° ′ ″				
411	Schuylkill River Range. Schuylkill (front)	On mud flats outside of bank around League Island, E. side of mouth of river, Pa.	39 53 20 75 11 38	Fixed white	Lens lantern	17	.....
412	Schuylkill River Range. Schuylkill (rear)	On mud flats outside of bank around League Island, E. side of mouth of river, Pa.	39 53 27 75 11 35	Fixed white	6	33	11
413	Delaware River. Range. Fishers Point (front) Post-Light.	On Fishers Point, N. J	.....	Fixed white	Tub'lar lantern	.....	.....
414	Delaware River. Range. Fishers Point (rear) Post-Light.	On Fishers Point, N. J	.....	Fixed white	Tub'lar lantern	.....	.....
415	Delaware River. Riverton Post-Light	On Club House, Riverton, N. J	.....	Fixed white	Tub'lar lantern	.....	.....
416	Delaware River. Torresdale Post-Light	On wharf building, Torresdale, Pa	.....	Fixed white	Tub'lar lantern	.....	.....
417	Delaware River. Kinkora Post-Light	About 1 mile above Florence, N. J	.....	Fixed white	Tub'lar lantern	.....	.....
418	Delaware River. Penn Manor Post-Light	Below Penn Manor Wharf, Pa	.....	Fixed white	Tub'lar lantern	.....	.....
419	Delaware River. Bordentown Post-Light	About ¾ mile below Bordentown, N. J	.....	Fixed white	Tub'lar lantern	.....	.....
371	CAPE MAY	Northeast side of entrance to Delaware Bay, N. J.	38 55 59 74 57 39	Flashing white every 30 sec.	1	167	19
372	CAPE HENLOPEN	Southwest side of entrance to Delaware Bay, Del.	38 46 42 75 05 03	Fixed white, with a fixed red sector between SE. ½ E. and S. ½ E.	1	128	17½
420	*Fenwick Island Shoal Light-Vessel, No. 52.*	Moored in 60 feet of water, about 4 miles ESE. ¾ E. from Fenwick Island Shoal, off the coast of Maryland; and about 5½ miles NE. ⅜ E. of Isle of Wight Shoal.	38 26 (47) 74 50 (44)	Two fixed red	Refl'r.	20 37½	9½ 11½
421	FENWICK ISLAND	On the coast, 20 miles S. of Cape Henlopen Light, Del., close to boundary line between Delaware and Maryland.	38 27 (04) 75 03 (18)	Fixed white, varied by a white flash every 2 minutes.	3	86	15

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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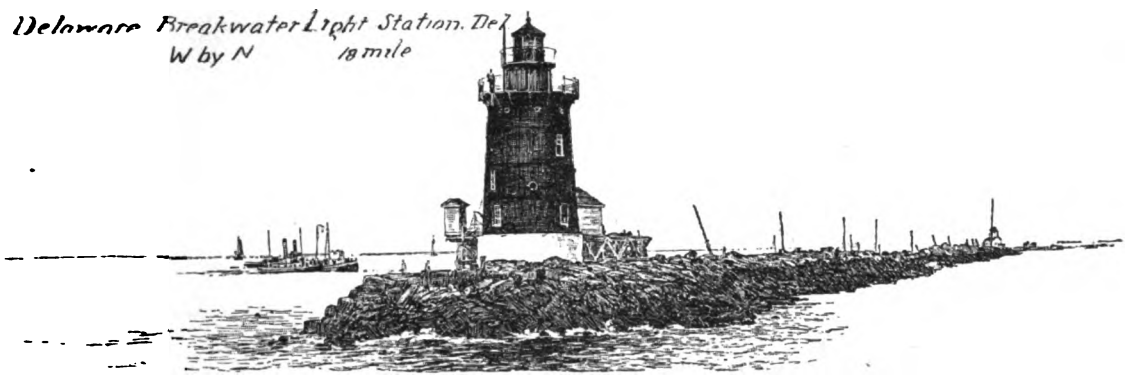
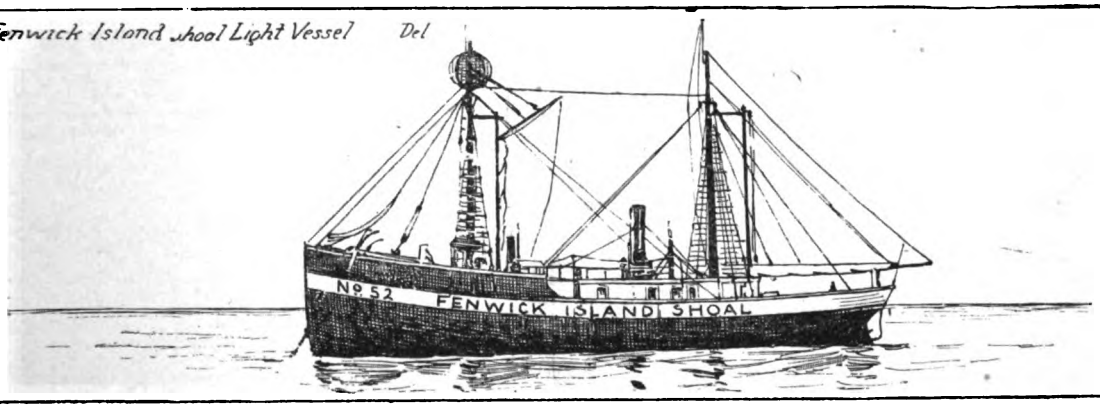
Delaware Breakwater Light Station. Del
W by N ⅛ mile



Fenwick Island Shoal Light Vessel Del



Fenwick Island Light Station Del
W by S ½ mile

Assateague Light Station Va
N.W½W 1¾ miles

N.L. Stebbins Photo. Copyright 1892

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PENNSYLVANIA, NEW JERSEY, DELAWARE, AND MARYLAND. FOURTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
411	Small white structure, with black top, on square pier, connected with the bank by plank walk laid on piles.	10	1875	.....	.....	This range guides from channel of Delaware River through dredged channel into mouth of Schuylkill River.
412	Square white tower with black lantern, on square pier, connected with bank by plank walk laid on piles. White dwelling, with lead-colored trimmings and green shutters, close to bank between the beacons.	25	1875	.....	.....	
413	White post	12	1887	.....	.....	Mark range line from the channel on the Pennsylvania side to the channel on the New Jersey side of the river.
414	White post	25	1887	.....	.....	
415	White post	40	1887	.....	.....	The line joining Torresdale and Riverton lights guides clear of the rocks called Hen and Chickens.
416	White post	18	1887	.....	.....	
417	White post	12	1887	.....	.....	The line joining Penn Manor and Kinkora lights leads through the dredged channel abreast of Newbold Island and the dike.
418	White post	18	1887	.....	.....	
419	White post	12	1887	.....	.....	Marks channel of river leading to entrance to Delaware and Raritan Canal.
371	Tower, gray; lantern, red; two white dwellings, with lead-colored trimmings and green shutters.	159	1823	1859	.....	Eleven miles from Cape Henlopen Light, and 18⅔ miles from Five-Fathom Bank Light-Vessel. There is a life-saving station about 260 yards SE. from the light-tower.
372	White tower and dwelling, standing in depression in the top of a high sand hill; lantern and watchroom, black.	82	1764	.....	.....	About 22⅔ miles from Five-Fathom Bank Light-Vessel. This light shows *red* within an angle of of about 45 degrees, formed by a line extending from the light to Brandywine Shoal Light (passing outside The Shears and Brown Shoal) and a line extending from the light and just clearing the northwest end of the ice-breaker part of Delaware Breakwater. When the light shows white, vessels between Brandywine Shoal and Cape Henlopen are clear of all shoals to the westward, including and below Brown Shoal; when it changes from faint red to bright red, it is dangerous to pass farther to the westward until reaching the point above Brown Shoal where a change of course is made to go up the bay. Vessels seeking harbor above or behind the breakwater and wishing to enter at the northern end, will be clear of the ice-breaker as soon as the light changes to white. There is a signal-display station about 110 yards WNW. ¾ W. from the light tower.
420	Two masts, schooner-rigged, no bowsprit. Mastheads black with black circular iron cagework day-mark at foremast head. Hull red, with a broad white band covering the bulwarks, on which "FENWICK ISLAND SHOAL" is painted in large black letters and "No. 52" on each bow. Black smokestack and fog signal between the masts.	.....	1888	1892	12-inch steam whistle; blasts 10 sec., alternate silent intervals of 30 and 70 sec. If whistle be disabled a bell will be rung by hand.	One light shown from foremast, about half-mast high, and the other from main-masthead. Cape Henlopen Light, NNW. ¼ W., 22⅔ miles; Fenwick Island Light, W. ¼ N., 9½ miles. Whistle sounds thus: Blast, 10 sec. — Silent interval, 30 sec. — Blast, 10 sec. — Silent interval, 70 sec.
421	Tower and two frame dwellings, white.	82	1858	.....	.....	

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FOURTH DISTRICT. VIRGINIA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
			° ′ ″				
422	*Winter-Quarter Shoal Light-Vessel, No. 45.*	Moored in 66 feet of water, 2⅛ miles ESE. from Winter-Quarter Shoal, and about 8½ miles from the coast, Va.	37 57 (25) 75 05 (04)	Fixed red	Refl'r.	45	12
423	ASSATEAGUE	About 2 miles from SW. point of Assateague Island, Va.	37 54 (40) 75 21 (23)	Fixed white	1	150	18½
424	Killick Shoal	In Chincoteague Bay, at its southern entrance, Va.	37 56 (45) 75 22 (43)	Fixed white from N. ¼ W. through westward to SSE. ¼ E.; fixed red throughout the remaining sector.	4	48½	12½

FIFTH DISTRICT. VIRGINIA.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
425		Hog Island	On S. end of Hog Island, Great Machipongo Inlet, Va.	37 23 17 75 41 56	Fixed white	4	55	12½
426		*Cape Charles Light-Vessel, No. 49*	Moored in 52 feet of water off Smith Island, N. side of entrance to Chesapeake Bay, Va.	37 05 (32) 75 43 (00)	Two fixed white	Refl'r.	45 45	12
427		CAPE CHARLES	On Smith Island (Cape Charles), N. side of entrance to Chesapeake Bay, Va.	37 07 12 75 53 31	Flashing white every 45 sec.; duration of flash, 3 sec.	1	157	18½
428		CAPE HENRY	South side of entrance to Chesapeake Bay, Va.	36 55 35 76 00 27	Fixed white, with a fixed red sector between SSE. and SW. by W.	1	157	18½
429	CHESAPEAKE BAY AND TRIBUTARIES.	THIMBLE SHOAL	In 11 feet of water, on the shoalest part of Thimble Shoal, off The Horseshoe, Chesapeake Bay, N. side of channel to Hampton Roads, Va.	37 00 (52) 76 14 (24)	Fixed white for 1 minute, followed by six consecutive flashes at intervals of 10 sec., alternately red and white.	4	42½	11½
430		Old Point Comfort	North side of entrance to Hampton Roads, Va., on beach in front of Fort Monroe.	37 00 06 76 18 24	Fixed white	4	53½	12½
431		*Bush Bluff Light-Vessel.*	In 24 feet of water, off Bush Bluff Shoal, E. side of river, Va.	36 54 (36) 76 20 (19)	Two fixed white	Tub'lar lantern.	.....	....
432	ELIZABETH RIVER.	Craney Island	In 3 feet of water, west side of channel, near mouth of river, Va.	36 53 (33) 76 20 (18)	Fixed white	5	34	11
433		Naval Hospital	On Naval Hospital Wharf, Va.	36 50 55 76 18 07	Fixed red	Lens lantern.	42½	.....

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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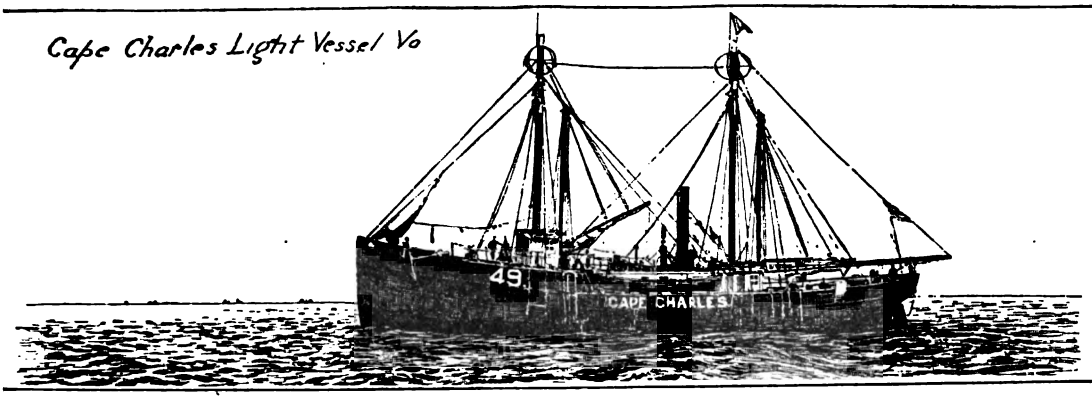
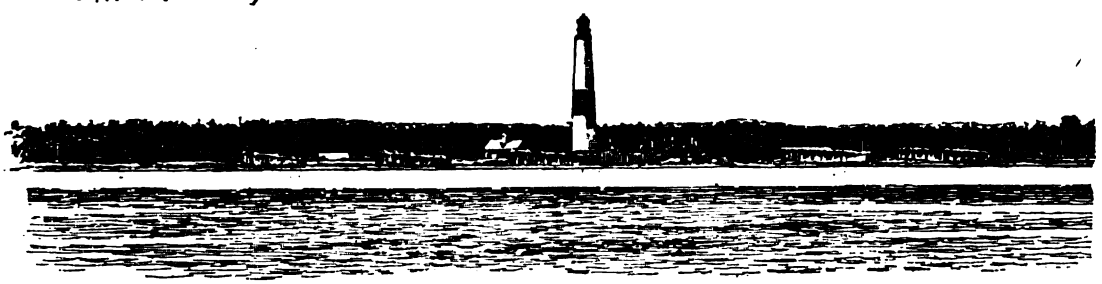
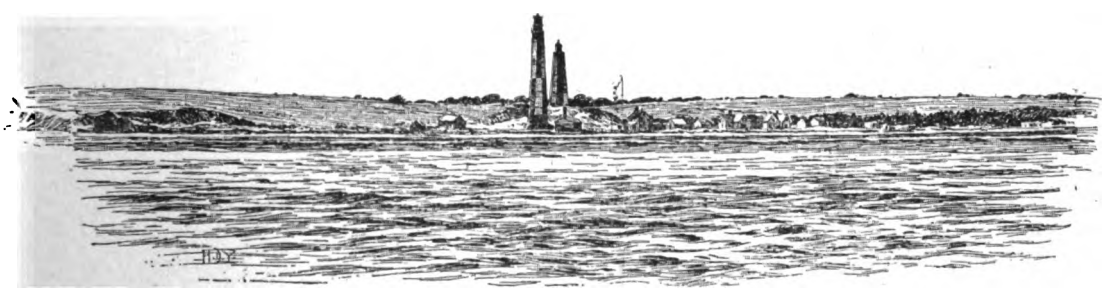
Cape Charles Light Vessel Va



Cape Charles Light Station Va.
N. N. W ½ mile



Cape Henry Light Station. Va.
S. W. by W ½ mile.



Thimble Shoal Light Station. Va
W. N. W. ⅞ mile.

N. I. Stebbins Photo. Copyright. 1892.

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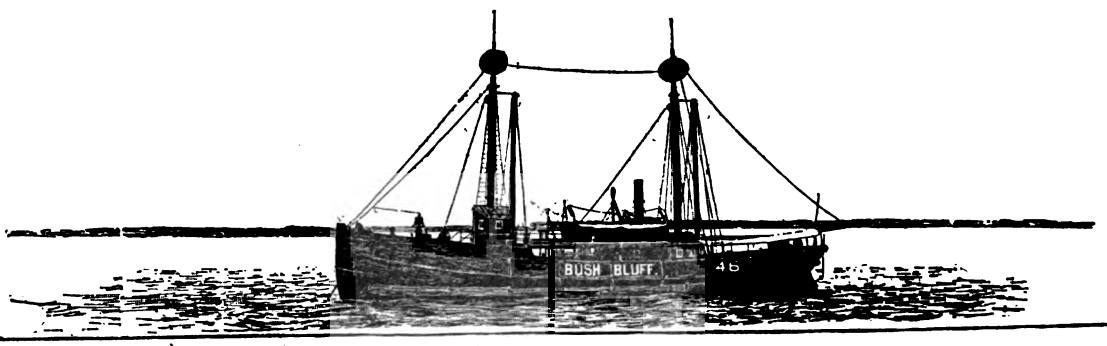
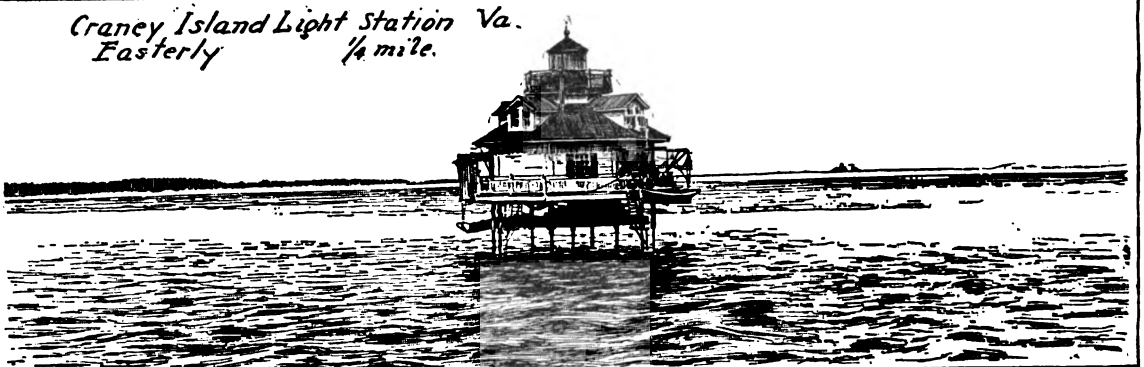
Old Point Comfort Light Station Va.
N.W. ¼ mile

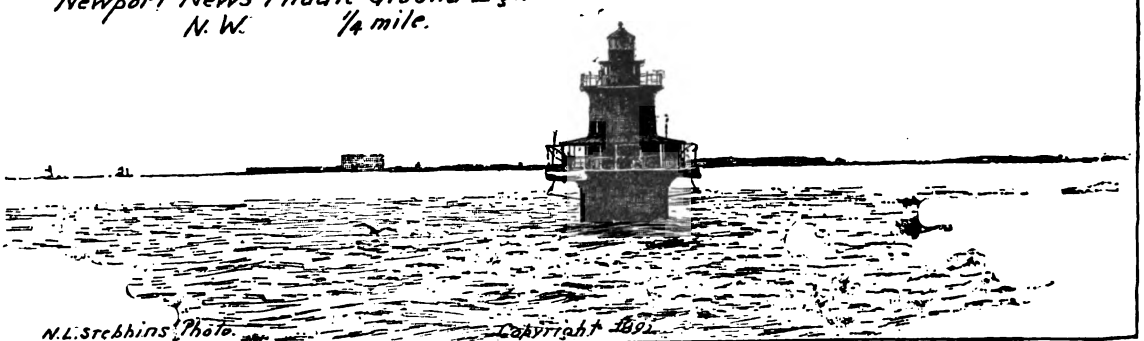
Bush Bluff Light Vessel. Va.



Craney Island Light Station Va.
Easterly ¼ mile.



Newport News Middle Ground Light Station Va
N.W. ¼ mile.



N.L. Srebbins' Photo. Copyright 1891.

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VIRGINIA. FOURTH DISTRICT.

	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
12	Two masts, schooner-rigged; red hoop-iron day-mark at mainmast head. Hull, red, with the words "WINTER-QUARTER, 45" in large white letters and figures on each side, and "45" on stern.	.....	1874	1888	12-inch steam whistle; blasts 5 sec., two silent intervals of 10 sec. and one silent interval of 90 sec. If whistle be disabled a bell will be rung by hand.	Fine black sand bottom. Assateague Light, W. ½ S., 13¼ miles; Green Run Inlet Life-Saving Station, NNW. ¾ W. Whistle sounds thus: Blast, 5 sec. — Silent interval, 10 sec. — Blast, 5 sec. — Silent interval, 10 sec. — Blast, 5 sec. — Silent interval, 90 sec.
13	Tower, red; lantern, black. Top of dwelling shows above trees from between S. and E.	129	1833	1867	.....	Thirty-six miles from Fenwick Island Light. Chincoteague Shoals extend about 5 miles from the light, lying between N. and WNW.
14	Square frame dwelling and tower painted white, with lead-colored trimmings and green blinds, surmounted by black lantern. Red screw-pile foundation.	.....	1886	.....	Bell struck by machinery every 15 sec.	

VIRGINIA. FIFTH DISTRICT.

425	Tower and dwelling, white; lantern, black.	45	1852	.....	.....	*To be rebuilt.* Guide to coasters and for entering the Great Machipongo Inlet.
426	Two masts, schooner-rigged; red cage-work day-mark at each masthead. Hull, red, with "CAPE CHARLES, No. 49," in large white letters and figures on each side.	.....	1888	.....	12-inch steam whistle; blasts 5 sec., silent intervals 15 sec. If whistle be disabled, a bell will be rung by hand.	Cape Charles Light, WNW. ¾ W., 8½ miles. Whistle sounds thus: Blast, 5 sec. — Silent interval, 15 sec. — Blast, 5 sec. — Silent interval, 15 sec.
427	Tower white, with a red horizontal band 25 feet wide 60 feet above the ground; lantern, black; outbuildings, white.	150	1827	1864	.....	*To be rebuilt.* Cape Henry Light, SSW. ¾ W., 12¾ miles. There is a life-saving station here.
428	Octagonal tower; base, service room, and lantern, black; shaft colored on each face, half white and half black, alternating, so that upper and lower halves of faces show alternately black and white. Dwellings and fog-signal house near. Old tower, SW. by W., 340 feet.	152	1791	1881	1st-class steam siren; blasts 5 sec., silent intervals 90 sec.	The red sector covers the shoals outside of Cape Charles and the Middle Ground extending from the entrance into Chesapeake Bay. High white sand hills in vicinity. There is a signal-display station here. Siren sounds thus: Blast, 5 sec. — Silent interval, 90 sec. — Blast, 5 sec. — Silent interval, 90 sec.
429	White hexagonal screw-pile structure; piles and roof, brown; lantern, black. One bell on N. and other on S. side of light-house.	.....	1872	1880	Two bells struck by machinery, simultaneously, every 5 sec.	To the southward of the light the water deepens rapidly to 8 and 9 fathoms. There is a 10-foot lump about 700 yards to westward. The light to be left on starboard hand going into Hampton Roads.
430	Tower and dwelling, white; lantern, black; fog-bell frame, brown, detached.	47	1802	.....	Bell struck by machinery every 10 sec.	There is a signal station here.
431	Two masts, schooner-rigged; hull red, with "RELIEF BUSH BLUFF," in large white letters on each side.	.....	1891	.....	Bell rung by hand.....	
432	White octagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1859	1884	Bell struck by machinery every 12 sec.	
433	Lantern, suspended on a mast	.....	1857	1878	.....	

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FIFTH DISTRICT. VIRGINIA.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
				° ′ ″				
434	Chesapeake Bay and Tributaries.	Newport News Middle Ground.	In 15 feet of water, on westerly end of Newport News Middle Ground, Hampton Roads, Va.	36 56 (41) 76 23 (33)	Fixed white, varied by a white flash every 20 sec.	4	51½	12½
435		Nansemond River	In 5½ feet of water, on shoal E. side of entrance to Nansemond River, ½ mile N. of Pig Point, Va.	36 54 53 76 26 40	Fixed red	6	36	7½
436		James River. White Shoal	In 4 feet of water, on lower end of White Shoal, N. side of main channel, Va.	37 01 19 76 31 40	Fixed white	6	32½	10½
437		James River. Point of Shoals	In 2 feet of water, on Point of Shoals, Va., NE. side of main channel, about center of curve of river forming Burwells Bay, a little below Mulberry Point.	37 04 06 76 39 12	Fixed white	6	33	11
438		James River. Deep-Water Shoals	In 2 feet of water, on shoal above Mulberry Point, Va., E. side of channel.	37 08 56 76 38 13	Fixed white	6	33	11
439		James River. Jordan Point	On Jordan Point, S. side of river, about 2½ miles below City Point, Va.	37 18 46 77 13 25	Fixed white	6	31½	10½
440		James River. Dutch Gap Cutoff (lower light).	One at each end of SW. side of cut off, Va.	37 22 (35) 77 21 (34)	Fixed red	Tub'lar lantern.	21	.....
441		James River. Dutch Gap Cutoff (upper light).		37 22 (38) 77 21 (38)	Fixed red	Tub'lar lantern.	21	.....
442		Back River	South side of entrance to Back River, W. side of bay, Va.	37 05 14 76 16 12	Fixed white, varied by a white flash every 90 sec.	4	33	11
443		York Spit	In 12½ feet of water, on easterly end of York Spit, entrance to York River from the bay, Va.	37 12 34 76 15 16	Fixed red	4	36½	11½
444		Old Plantation Flats	In 10 feet of water, on upper end of Old Plantation Flats, E. side of the bay, Va.	37 13 44 76 02 50	Fixed white, with a fixed red sector between N. by W. ¼ W. and NE. ¼ N.	5	38½	11½
445		Cherrystone	In 5 feet of water, on shoal, W. side of entrance to Cherrystone Inlet, 2½ miles S. of Westcott Point, Va.	37 15 38 76 02 05	Fixed white, with a fixed red sector between N. ¾ E. and SSW. ¼ W. Dark sector between SW. ¾ W. and NW. ¼ N.	4	34	11
446		Range. Cape Charles City (front).	On edge of shore below Cape Charles City, Va.	.....	Fixed white	Lens lantern.	18	.....
447		Range. Cape Charles City (rear).	About 280 feet NE. ¼ N. from preceding.	.....	Fixed white	Lens lantern.	39	.....

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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VIRGINIA. FIFTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
434	Black cylindrical foundation pier, surmounted by a brown conical tower. A gallery, with roof, surrounds base of tower.	.....	1891	.....	Bell struck by machinery a double blow every 15 sec.	
435	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1878	.....	Bell struck by machinery every 7 sec.	
436	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1854	1871	Bell struck by machinery every 10 sec.	
437	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1854	1871	Bell struck by machinery at alternate intervals of 5 and 20 sec.	
438	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1854	1887	Bell struck by machinery every 15 sec.	
439	Square white tower; lantern, black; dwelling in rear, white; roof, brown.	28½	1854	1875	Bell struck by machinery every 10 sec.	
440	Lantern, in red box, on white post	19	1875	.....	.....	
441	Lantern, in red box, on white post. White dwelling, on top of hill.	19	1875	.....	.....	
442	White tower and dwelling; lantern, black.	30	1829	.....	.....	About 5⅝ miles NNE. of Old Point Comfort Light.
443	White hexagonal screw-pile structure; piles, brown; lantern, black.	.....	1855	1870	Bell struck by machinery every 10 sec.	Serves as a guide up and down the bay. New Point Comfort Light, N. by W., 5½ miles; Back River Light, S. by W., 7½ miles. Vessels drawing over 21 feet of water should not approach the light on the eastern side nearer than ½ mile. Vessels drawing not over 18 feet of water may approach the light on the E. side within ½ mile, and on the S. and SW. within ¼ mile; and vessels drawing not over 14 feet may pass over the shoal to the northwestward of the light within ¼ mile, but no farther distant than 2½ miles.
444	Square frame dwelling, painted white; iron screw-pile foundation and roof, brown; blinds, green; lantern, black.	.....	1886	.....	Bell struck by machinery every 15 sec.	Cherrystone Light, N. by E. ¼ E., 1¼ miles; Old Plantation Creek, E., 1½ miles. Vessels running up the bay from its entrance on a NNW. ½ W. course, with the light showing red, will change their course to N. ¼ E., when the light becomes white; going down the bay on a S. ¼ W. course, with the light showing white, will change to a SSE. ½ E. course, when the light becomes red; bound for Cape Charles City from the bay, will keep to the westward and immediately on edge of red ray until the light is passed.
445	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1858	.....	Bell struck by machinery a double blow every 30 sec.	The red sector covers the shoals on the W. side of the entrance to Cherrystone Inlet. The light shows fixed red from all points in Chesapeake Bay, excepting from the southward to the eastward of N. ¼ E. The dark sector covers entrance to wharf and pier of the N. Y., P. and N. R. R.
446	White post	.....	1891	.....	.....	Guide across southern end of Cherrystone Bar.
447	Square, brown, pyramidal structure, with red trimmings.	.....	1891	.....	.....	

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FIFTH DISTRICT. VIRGINIA AND MARYLAND.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
			° ′ ″				
CHESAPEAKE BAY AND TRIBUTARIES.							
448	Cape Charles City Harbor (southern).	On S. side of cut entrance to harbor, Va.	.....	Fixed white	Tub'lar lantern.	....	..
449	Cape Charles City Harbor (northern).	On N. side of cut entrance to harbor, Va.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
YORK RIVER. 450	Tue Marshes.....	In 5 feet of water, on shoal about ½ mile N. from Tue Point, Va.	37 14 (15) 76 23 (11)	Fixed white	5	40½	11½
451	Pages Rock.....	In 7 feet of water, in front of and in close proximity to Pages Rock, Va.	37 18 (37) 76 35 (12)	Fixed white.....	4	40½	11½
452	Bells Rock.....	In 10 feet of water, on Bells Rock, NE. side of channel, Va.	37 29 (26) 76 45 (35)	Fixed white, with a fixed red sector from NNW. ½ W. through eastward and northward to SE. by E. ½ E.	4	42½	11½
453	NEW POINT COMFORT.....	North side of entrance to Mobjack Bay, W. side of Chesapeake Bay, Va.	37 18 03 76 16 41	Fixed white	4	57½	13
454	*Wolf Trap Shoal Light-Vessel, No. 46 (see Remarks).*	Off E. end of Wolf Trap Spit, between York and Rappahannock Rivers, Va.	37 23 (16) 76 11 (33)	Two fixed white	Refl'r.	45 45	12
455	Stingray Point.....	In 6 feet of water, about 1 mile E. of Stingray Point, Va., S. side of mouth of Rappahannock River.	37 33 (40) 76 16 (13)	Fixed red.....	6	33½	7½
456	Bowlers Rock	In 6 feet of water, on shoal on port side of channel going up Rappahannock River, Va.	37 49 (18) 76 43 (48)	Fixed white	5	32	10½
457	WINDMILL POINT	In 12 feet of water, on Rappahannock Spit, N. side of mouth of Rappahannock River, Va.	37 35 (55) 76 14 (13)	Fixed white	5	35½	11
458	Watts Island	On Little Watts Island, Va., E. side of Tangier Sound, W. side of Pocomoke Sound.	37 46 57 75 53 38	Fixed white, varied by a white flash every 2 minutes.	5	48	12½
459	Tangier Sound.....	In 4½ feet of water, on shoal making out to southward and eastward from Tangier Island, S. entrance to Tangier Sound, Va.	37 47 (15) 75 58 (32)	Fixed white, with a fixed red sector between NE. ½ E. through westward and northward to S. by W. ½ W.	4	39	11½
460	Janes Island.....	In 5½ feet of water, entrance to Little Annemessex River, Md., Tangier Sound, on southern end of shoal extending from Janes Island.	37 57 (45) 75 55 (10)	Fixed white	4	38	11½
461	Somers Cove.....	In 6 feet of water, on shoal, N. side of Little Annemessex River, Md., about 1¾ miles eastward of Janes Island Light.	37 58 03 75 52 (33)	Fixed white	6	33	11

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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VIRGINIA AND MARYLAND. FIFTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
48	Cluster of piles	.....	1891	.....	.....	Mark the outer end of the cut entrance to Cape Charles City Harbor.
49	Cluster of piles	.....	1891	.....	.....	
50	Square white screw-pile structure; piles and roof, brown; lantern, black.	.....	1875	.....	Bell struck by machinery alternately a single and a double blow, intervals 30 sec.	To mark the entrance to York River. New Point Comfort Light, NE. by E., about 6½ miles.
51	White hexagonal screw-pile structure, with green shutters and black lantern; piles and roof brown.	.....	1893	....	Bell struck by machinery every 15 sec.	Blundering Point, ENE. ½ E., ⅝ mile; Gloucester Point, SE. ½ S., 5 ⅞ miles; Gum Point, N. by W. ½ mile.
52	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1881	...	Bell struck by machinery every 15 sec.	One edge of red sector cuts Red Buoy No. 16, SSE. ½ E. from the light, and the other cuts Black Buoy No. 13, SW. side of entrance to dredged channel to West Point and into Pamunkey River. Between Buoys Nos. 16 and 13 vessels should keep in the white light close to the edge of the red sector.
53	Tower, white; lantern, black; dwelling, white.	56	1804	.....	.....	Bay light and guide into Mobjack Bay.
54	Two masts, schooner-rigged; masthead white, with red cagework day-mark at each; hull red with "WOLF TRAP, NO. 46," in large white letters and figures on each side.	.....	1821	1893	12-inch steam whistle, blasts 5 sec., alternate silent intervals of 10 and 90 sec. If whistle be disabled a bell will rung by hand.	Whistle sounds thus: Blast, 5 sec.; Silent interval, 10 sec.; Blast, 5 sec.; Silent interval, 90 sec. *Light-house to be rebuilt.*
55	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1858	.....	Bell struck by machinery at alternate intervals of 5 and 30 sec.	Windmill Point Light, NE. ½ N., 2¾ miles; Wolf Trap Light-Vessel, S. by E. ¾ E., 10¾ miles.
56	Square white screw-pile structure; piles, brown; shingle roof; lantern, black.	.....	1868	.....	Bell struck by machinery every 10 sec.	On end of shoal on S. side of river, with a depth of 5 fathoms of water close-to. It is opposite to and 150 yards from Bowlers Rock obstructions, between which and the light-house the main channel lies.
57	White hexagonal screw-pile structure; piles and roof, brown; lantern, black	.....	1869	.....	Bell struck by machinery every 10 sec.	Guide up the bay. Stingray Point Light, SW. ½ S., 2¾ miles. Vessels drawing 18 feet or more should not approach the light on eastern side nearer than 2 miles; vessels drawing less than 18 feet may approach the light on the N. or S sides within 1,000 yards with safety; and vessels drawing 12 feet or less may approach it in safety to within 400 yards on the N., E., and S. sides, but should not attempt to pass between it and the land at Windmill Point. A first-class can buoy (black, No. 17) marks the eastern extremity of the spit making out from Windmill Point.
58	White tower, with white dwelling detached; lantern, black.	40	1833	.....	.....	Marks the entrance to Pocomoke and Tangier Sounds, Va.
59	Square white screw-pile structure, with green shutters and black lantern; piles and roof, brown.	.....	1890	.....	Bell struck by machinery at alternate intervals of 5 and 30 sec.	The red sector covers the shoal making out to the southward and eastward from Tangier Island.
60	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1867	1879	Bell struck by machinery every 15 sec.	About 300 feet W. from former light-house. Guide into Little Annemessex River, Md.
61	Square white screw-pile structure; piles, brown; shingle roof; roof of lantern, black.	.....	1867	.....	Bell struck by machinery every 15 sec.	Guide to the harbor of Crisfield, Md.

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FIFTH DISTRICT. VIRGINIA AND MARYLAND.

Number.		Name.	Location.	Latitude, north. Longitude west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
				° ′ ″				
462		Great Wicomico River	In 9 feet of water, on shoal making out from Fleet Point, N. side of entrance to Great Wicomico River, Va.	37 48 (15) 76 15 (54)	Fixed white, with a fixed red sector between ESE. and SW. by W.; and another between NNW. and ENE.	4	42	11½
463		SMITH POINT	In 12 feet of water, on shoal making out from SE. side of mouth of Potomac River, W. side of bay, Va.	37 53 (41) 76 11 (42)	Flashing white, from W. through southeastward to N. ½ W., and from SE. ½ E. to S. ¼ E.; flashing red throughout the intervening sectors. Interval between flashes, 30 sec.	4	36½	11½
464	CHESAPEAKE BAY AND TRIBUTARIES.	POINT LOOKOUT	North side of the entrance to the river, W. side of Chesapeake Bay, Md.	38 02 19 76 19 20	Fixed white, with a fixed red sector between SW. and NW. by W. ½ W.	4	41	11½
465		Piney Point	East side of river about 14 miles NW. from its mouth, Md.	38 08 07 76 31 48	Fixed white	5	33½	11
466		Blakistone Island	Near entrance to St. Clement Bay, N. side of river, Md.	38 12 26 76 44 42	Fixed white, with a fixed red sector between SW. and W.	4	44½	12
467		Cob Point Bar	In 6 feet of water, on shoal making out from Cob Point, W. side of entrance to Wicomico River, N. side of Potomac River, Md.	38 14 (27) 76 49 (41)	Fixed white, with a fixed red sector between ESE. ⅛ E. and SE. by E. ½ E.	4	38½	11½
468	POTOMAC RIVER.	LOWER CEDAR POINT. (*See Remarks.*)	In 6 feet of water, on end of Yates Shoal, Md., W. side of river, opposite Lower Cedar Point, above Kettle-Bottom Shoals.	38 20 23 76 59 37	Fixed white	Lens lantern.	15	.....
469		Mathias Point Shoal	In 8½ feet of water, on end of shoal off Mathias Point, Va.	38 24 (16) 77 02 (17)	Fixed white	5	43½	12
470		UPPER CEDAR POINT	In 3 feet of water, on end of shoal off Upper Cedar Point, above mouth of Port Tobacco River, Md.	38 24 10 77 04 58	Fixed white, with a fixed red sector between SW. ¼ W. and W. by S.; and another between NE. ¼ N. and NE. by E. ½ E.	5	33½	11
471		Maryland Point	In 10½ feet of water, about the middle of the shoal, lying ¾ mile SE. by S. off Maryland Point, Md.	38 21 (00) 77 11 (53)	Flashing white every 5 sec.	4	41½	11½
472		Fort Washington	On wharf at Fort Washington, Md	38 42 (45) 77 02 (11)	Fixed white	6	14½	8½
473		Jones Point	About 1 mile below Alexandria, W. bank of river, Va.	38 47 25 77 02 27	Fixed white	5	32½	10½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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VIRGINIA AND MARYLAND. FIFTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
462	White hexagonal screw-pile structure, with green shutters; piles and roof, brown; lantern, black.	.....	1889	.....	Bell struck by machinery, a double blow every 15 sec.	The northerly red sector covers the shoals making out to the southward and eastward from Fleet Point. The southerly red sector covers the shoals making out to the northward and eastward from Dameron Marsh. Vessels entering or leaving the river should keep in the *white* light, excepting to pass through the southerly red sector, while passing to the southward of the light-house close-to.
463	White hexagonal screw-pile structure; piles and lantern, black; roof, brown.	.....	1868	.....	Bell struck by machinery every 15 sec.	There is from 4 to 6 fathoms of water within 150 yards of the light to the eastward, and 2 fathoms on the shoal extending about 1 mile all around from SW. by westward to NW. Vessels passing up or down the bay, or into Potomac River, and drawing 12 to 14 feet of water, may approach the light safely to within a distance of 250 yards, but vessels of heavier draft should give it a berth of ½ mile. The northeasterly red sector covers the shoals on the E. side of the bay abreast of Point Lookout, and its S. edge marks a change of course in going up or coming down the bay, and for entering and leaving the Potomac River. The southwesterly red sector covers the shoals off Smith Point.
464	Black lantern on white dwelling; fog-bell tower painted white, at E. end of coal shed.	36	1831	.....	Bell struck by machinery every 10 sec.	Bay light, and marks entrance to Potomac River. The red sector covers the shoals on the E. side of the bay, abreast of Point Lookout.
465	Tower and dwelling, white; lantern, black; fog bell tower, white, 15 feet to westward.	30	1836	.....	Bell struck by machinery every 20 sec.	
466	Black lantern on white dwelling; detached fog-bell tower, brown.	41	1851	.....	Bell struck by machinery every 16 sec.	The red sector covers the shoals off Heron Island.
467	White square screw-pile structure, with green shutters; piles and roof brown; lantern, black.	.....	1889	....	Bell struck by machinery, a double blow every 15 sec.	The red sector covers a part of Kettle Bottom Shoals; its southerly edge cuts Tenth Mid-Channel Buoy (black and white perpendicular stripes), off Bluff Point, Va., and intersects the southwesterly edge of the red sector in Lower Cedar Point Light a little to the southward and eastward of the buoy.
468	Lantern on top of W. side of screw-pile framework of structure; piles, brown.	.....	1867	.....	.....	Deep water within 160 yards on E. side of the wreck of the light-house. *Light-house destroyed by fire December 25, 1893. To be rebuilt.*
469	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1876	.....	Bell struck by machinery, a single and a double blow, alternately; intervals, 30 sec.	
470	White square screw-pile structure; piles and roof, brown; lantern, black; window shutters, green.	...	1867	.....	Bell struck by machinery every 15 sec.	Deep water within 150 yards of the light-house. The southerly edge of the northeasterly red sector marks the northern edge of the channel, abreast of and above Mathias Point Light-House. The southwesterly red sector covers the shoals on the Virginia side of the river, between Dade Shoal and Maryland Point.
471	White hexagonal screw-pile structure; piles and roof, brown; lantern, black; window shutters, green.	.....	1892	.....	Bell struck by machinery, a double blow every 15 sec.	Just inside and near the northerly edge of the southwesterly red sector of Upper Cedar Point Light.
472	White tower, with black lantern. Dwelling in rear of tower.	17	1857	1869	Bell struck by machinery every 15 sec.	
473	Black lantern on white dwelling.....	.....	1855	.....	.....	

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FIFTH DISTRICT. MARYLAND.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
				° ′ ″				
474	CHESAPEAKE BAY AND TRIBUTARIES.	Holland Island Bar	In 9 feet of water, on shoal making out to southward from Holland Island, entrance to Holland Straits and Kedge Straits, Md.	38 04 (10) 76 05 (42)	Fixed white	4	42	11½
475		Solomons Lump. (*See Remarks.*)	In 9 feet of water, off Solomons Lump, southern edge of channel in Kedge Straits, E. side of bay, Md.	38 02 52 76 00 52	Fixed white	Lens lantern.		
476		Great Shoals	In 5 feet of water, at end of Great Shoals, Monie Bay, entrance to Swash Channel into Wicomico River, Md.	38 12 (42) 75 52 (53)	Fixed white	5	37	11½
477		Sharkfin Shoal	In 9 feet of water, on Sharkfin Shoal, making out northeasterly from Bloodsworth Island, upper part of Tangier Sound, Md.	38 12 (06) 75 59 (13)	Fixed white, with a fixed red sector from N. ¼ E. through southwestward to E. ¼ S.	4	44	12
478		HOOPER STRAIT	In 9 feet of water, N. side of entrance from the bay into Tangier Sound, on shoal N. side of channel between mainland and Bloodsworth Island, Md.	38 13 (35) 76 04 (08)	Fixed white, with a fixed red ray, between NW. by W. ¼ W. and NW. ¼ W.	5	40½	11½
479		Cedar Point						
480		Drum Point	In 3 feet of water, N. side of entrance to Patuxent River, S. of Drum Point, Md.	38 19 (03) 76 25 (30)	Fixed red	4	45½	11½
481		Cove Point	Four miles N. of entrance to Patuxent River, W. side of bay, Md.	38 23 10 76 22 55	Fixed white, varied by a white flash every 90 sec.	4	44½	12
482		Sharps Island	In 10 feet of water, off Sharps Island, entrance to Choptank River, Md.	38 38 (35) 76 22 (27)	Fixed white, with a fixed red sector from S. by E. ¾ E. through northeastward to W. ¼ S.	4	53½	12½
483		Choptank River	In 10 feet of water, on southeastern extremity of shoal making out from Benoni Point, opposite entrance to Choptank and Tred Avon rivers, Md.	38 39 (22) 76 10 (56)	Fixed white	6	33½	11
484		Bloody Point Bar	In 8 feet of water, on Bloody Point Bar, Md., 1½ miles westward of Kent Point, Kent Island, entrance to Eastern Bay.	38 50 (05) 76 23 (30)	Fixed white, with a fixed red sector from NW. by W. ¼ W. through southeastward to NNE. ¼ E.	4	55½	12½
485		Thomas Point Shoal	In 8 feet of water, on shoal making out from Thomas Point, W. side of bay, Md.	38 53 (57) 76 26 (10)	Flashing white, from SSW. ¼ W. through eastward to N. by E. ¼ E.; flashing red throughout the remaining sector. Interval between flashes, 30 sec.	4	42½	11½
486		Greenbury Point Shoal	In 9½ feet of water, on southerly point of shoal making out from Greenbury Point, N. side of entrance to Annapolis Harbor, Md.	38 58 (06) 76 27 (16)	Fixed white	4	39	11½
487		Sandy Point	In 13 feet of water, on shoal making out from Sandy Point, W. side of bay, Md.	39 00 (52) 76 23 (08)	Fixed white, from S. ¾ E. through eastward to N. by E. ¼ E.; fixed red throughout the remaining sector.	5	51	12½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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MARYLAND. FIFTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
474	White hexagonal screw-pile structure, with green shutters; piles and roof, brown; lantern, black.	.....	1889	.....	Bell struck by machinery every 10 sec.	Old light-house on Fog Point, SE. ½ E., 3¼ miles; wreck of Solomons Lump Light, ESE., 4 miles.
475	Lantern on wreck of former light-house.	.....	1875	.....	.....	Old light-house on Fog Point, SW. by W. ½ W., 1¼ miles; Janes Island Light, SE. ¾ S., 7 miles. *Light-house destroyed by ice February 2, 1893. To be rebuilt.*
476	White square screw-pile structure; piles and roof, brown; lantern, black.	.....	1884	.....	Bell struck by machinery every 15 sec.	Clay Island old light-house, WNW. ½ W., 4½ miles; Long Point, S. by W. ½ W., ⅝ mile.
477	White hexagonal screw-pile structure; piles and roof, brown; lantern, black; window shutters, green.	.....	1892	.....	Bell struck by machinery every 15 sec.	The red sector covers the part of Sharkfin Shoal lying to the southwestward of the light-house and its northerly edge intersects with the southwesterly edge of the red ray of Hooper Strait Light at Bishop Head Shoal Buoy (black, No. 1).
478	White hexagonal screw-pile structure; piles, brown; lantern, black.	.....	1867	1879	Bell struck by machinery every 12 sec.	Guide into Tangier Sound by way of Hooper Strait. The southern edge of the red ray intersects with the northerly edge of the red sector of Sharkfin Shoal Light at Bishop Head Shoal Buoy.
479	.....	.....	.....	.....	.....	*To be built.*
480	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1883	.....	Bell struck by machinery, a double blow every 15 sec.	Bay light, and marks entrance to Patuxent River. Vessels drawing 20 feet can run to within 120 feet of the SW. side of light.
481	Tower and dwelling, white; lantern, black.	39	1828	.....	Bell struck by machinery every 12 sec.	
482	Brown tower on brown cylindrical foundation; lantern black.	.....	1838	1882	Bell struck by machinery, a double blow every 10 sec.	Marks entrance to Choptank River. The red sector covers the shoals making out to the southeastward from Tilghman Island and to the westward from Poplar Island.
483	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	....	1871	.....	Bell struck by machinery every 10 sec.	Guide for vessels bound up or down Choptank River, and for the channels between Castle Haven and Chlora Point, and into Tred Avon River and Fox Hole Anchorage, inside of Benoni Bar.
484	Brown tower, on brown cylindrical foundation; lantern, black.	.....	1882	.....	Bell struck by machinery every 12 sec.	The red sector covers the shoals off Poplar Island.
485	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1875	.....	Bell struck by machinery, a triple blow every 30 sec.	The red sector covers the shoals off Horseshoe Point to the southward, and off Tolly Point, Hackett Point, and Sandy Point to the northward.
486	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1891	.....	Bell struck by machinery, a double blow every 10 sec.	
487	Red brick dwelling on brown cylindrical foundation; lantern, black.	.....	1858	1883	Bell struck by machinery every 10 sec.	The red sector covers the shoals off Thomas Point, Tolly Point, and Hackett Point to the southward; to the northward its eastern edge cuts Red Buoy No. 2, marking the entrance to Craighill Channel.

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FIFTH DISTRICT. MARYLAND AND VIRGINIA.

Number.	Name.	Location.	Latitude north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water in feet.	Distance visible, in nautical miles.
			° ′ ″				
488	CHESAPEAKE BAY AND TRIBUTARIES. PATAPSCO RIVER. Love Point	On shoal making out from Love Point, upper end of Kent Island, Md.	39 03 (15) 76 17 (08)	Fixed white	5	37½	11½
489	Range. Craighill Channel (front)	In the bay, near the mouth of Patapsco River, in the direct prolongation of axis of Craighill Channel, Md.	29 11 19 76 23 41	Two fixed white	5 Range lens.	89 21½	11½ 9½
490	Range. Craighill Channel (rear)	On shoal, near Hart Island, 2¼ miles in rear of preceding, on the direct prolongation of axis of Craighill Channel, Md.	39 13 (41) 76 23 (37)	Fixed white	Range lens.	105	16
491	SEVEN-FOOT KNOLL	Mouth of Patapsco River, on Seven-Foot Knoll, between Main and Swash channels, Md.	39 09 19 76 24 33	Fixed red	4	42	11½
492	Range. Cutoff Channel (front)	On pier formerly occupied by rear beacon of old North Point Range, Md.	39 11 49 76 26 55	Fixed white	Refl'r	25	10
493	Range. Cutoff Channel (rear)	On mainland, head of Old Road Bay, 1.3 miles NNW. ½ W. from preceding, Md.	39 12 58 76 27 47	Fixed white	Refl'r	64	13½
494	Fort Carroll	On SW. corner of Fort Carroll, Md	39 12 (53) 76 31 (09)	Fixed white	5	74	12½
495	Brewerton Channel Range. Hawkins Point (front)	In 6 feet of water, on shoal near Hawkins Point, S. side of river, Md.	39 12 28 76 31 58	Fixed white	Refl'r	27	10½
496	Brewerton Channel Range. Leading Point (rear)	On Leading Point, S. side of river, 1 mile NW. by W. ½ W. from preceding, Md.	39 12 49 76 33 08	Fixed white	Refl'r	69	13½
497	Lazaretto Point	North side of Baltimore Harbor, opposite Fort McHenry, Md.	39 15 46 76 34 18	Flashing red every 5 sec.	4	38	11½
498	Pooles Island	On Pooles Island, off mouth of Gunpowder River, Md.	39 17 26 76 16 00	Fixed white	4	34½	11
499	Turkey Point	On the bluff point separating the mouths of Elk and Northeast rivers, head of bay, Md.	39 27 00 76 00 31	Fixed white	4	63½	13½
500	Fishing Battery	On Fishing Battery, below entrance to Susquehanna River, Md.	39 29 (38) 76 05 (00)	Fixed white	6	34½	11
501	Havre de Grace	On Concord Point, near Havre de Grace, Md., W. shore of mouth of Susquehanna River.	39 32 27 76 05 06	Fixed red	5	33½	8½
502	Old Town Point Wharf Post-Light.	On Old Town Point Wharf, near end, E. side of Elk River, Md.	39 30 (10) 75 54 (54)	Fixed white	Tub'lar lantern	25	.....
503	Randall Wharf Post-Light	At point of shoal making out from Randall Wharf, just inside of E. side of entrance to Back Creek, Md.	39 30 (04) 75 51 (49)	Fixed white	Tub'lar lantern	20	.....
428	CAPE HENRY	South side of entrance to Chesapeake Bay, Va.	36 55 35 76 00 27	Fixed white, with a fixed red sector between SSE. and SW. by W.	1	157	18½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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MARYLAND AND VIRGINIA. FIFTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
488	White hexagonal screw-pile structure, protected by riprap; piles and roof, brown; lantern, black.	.....	1872	.....	Bell struck by machinery every 8 sec.	Guide up and down the Chester River. Vessels drawing more than 9 feet of water should not pass between the point and the light-house.
489	Brown dwelling on brown cylindrical foundation, surmounted by black lantern.	.....	1873	.....	Bell struck by machinery at alternate intervals of 3 and 30 sec.	Serve as a range for Craighill Channel. The lower front light shows brightly only in the axis of the channel.
490	Open frame pyramid of four sides; lower portion, white; upper part, brown; trimmings, lead-color; lantern, black.	.....	1873	.....	.....	
491	Brown octagonal screw-pile structure, with green window shutters.	.....	1855	.....	Bell struck by machinery every 12 sec.	Marks the shoal known as Seven-Foot Knoll.
492	Octagonal brick tower, painted in three horizontal bands, upper and lower, red; middle, white.	18	1886	.....	.....	Mark the Cutoff Channel between the Craighill and Brewerton channels, at the entrance to Baltimore Harbor.
493	Four sided open iron-frame pyramid, with square central shaft, surmounted by a lantern. Framework and shaft painted white; lantern roof, brown.	56	1886	...	.....	
494	Black lantern on white structure....	75	1854	1875	Bell struck by machinery every 10 sec.	Guide to clear the fortification. Channel on S. side of fort.
495	White hexagonal screw-pile structure; ironwork and roof, brown.	.....	1868	.....	.....	Serve as a range for Brewerton Channel.
496	White tower and brown dwelling attached; mast surmounted by black ball stands immediately behind, and shows about 15 feet above the tower.	40	1868	.....	.....	
497	Tower, white; lantern, black; dwelling, white; fog-bell frame, brown.	34	1831	.....	Bell struck by machinery every 10 sec.	The light shows *red*, to distinguish it from the flame of a blast furnace near by.
498	Tower and dwelling, white; lantern, black; detached fog-bell frame, brown.	30	1825	.....	Bell struck by machinery every 12 sec.	
499	Tower, dwelling, and fog-bell tower, white; lantern, black. The light-tower is partly hidden by foliage.	30	1853	.....	Bell struck by machinery every 10 sec.	
500	Black lantern on white dwelling.....	32	1853	.....	.....	Channel on S. side of light-house.
501	Tower and dwelling, white; lantern, black.	32	1827	.....	.....	
502	Lantern on white post.....	.....	1887	.....	.....	Guide to entrance to Back Creek, leading to Chesapeake City, Md.
503	Lantern on red post, connected with the shore by a footbridge on piles.	.....	1887	.....	.....	Guide to Chesapeake City, Md.
428	Octagonal tower; base, service-room, and lantern, black; shaft colored on each face, half white and half black, alternating, so that upper and lower halves of faces show alternately black and white. Dwellings and fog-signal house near. Old tower SW. by W., 340 feet.	152	1791	1881	1st-class steam siren; blasts 5 sec., silent intervals 90 sec.	The red sector covers the shoals outside of Cape Charles and the Middle Ground extending from the entrance into Chesapeake Bay. High white sand hills in vicinity. There is a signal-display station here. Siren sounds thus: Blast. 5 sec. — Silent interval, 90 sec. — Blast, 5 sec. — Silent interval, 90 sec.

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FIFTH DISTRICT. VIRGINIA AND NORTH CAROLINA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
			° ′ ″				
504	CURRITUCK BEACH	On coast of North Carolina, about midway between Cape Henry and Bodie Island light-stations, N. C.	36 22 36 75 49 51	Fixed white, varied by a red flash every 90 sec.	1	158	18½
505	BODIE ISLAND	On Bodie Island, 1½ miles N. of Oregon Inlet, ⅔ mile from the Atlantic Ocean, and ⅔ mile from Roanoke Sound, N. C.	35 49 07 75 33 49	Fixed white	1	156	18½
506	CAPE HATTERAS	About 2 miles N. of southern extremity of point of cape, N. C.	35 15 17 75 31 16	Flashing white every 10 sec.	1	191	20
507	Cape Hatteras Beacon	About ¼ mile from southern extremity of point of Cape Hatteras, N. C.	35 14 28 75 31 18	Fixed white	6	27	10½
508	OUTER DIAMOND SHOALS						
509	OCRACOKE	Near entrance to and on N. side of Ocracoke Inlet, about 23½ miles to southward and westward of Cape Hatteras, N. C.	35 06 32 75 59 11	Fixed white	4	75	14½
510	CAPE LOOKOUT	Near extremity of Cape Lookout, N. C.	34 37 22 76 31 29	Fixed white	1	156	18½
511	NORTH LANDING RIVER — Beacon-Light No. 1	At the junction of Blackwater and North Landing rivers, Va.	36 35 (36) 76 03 (37)	Fixed white	Lens lantern	20	8½
512	NORTH LANDING RIVER — Beacon-Light No. 2	About ½ mile ESE. ½ E. from point formed by junction of North Landing and Blackwater rivers, Va.	36 35 (30) 76 02 (59)	Fixed white	Lens lantern	20	8½
513	NORTH LANDING RIVER — Beacon-Light No. 3	On shoal at Green Point, Va., about ¾ mile SW. by S. from Walke Point.	36 33 (21) 76 01 (52)	Fixed white	Lens lantern	20	8½
514	NORTH LANDING RIVER — Beacon-Light No. 4	On shoal at end of Faraby Island, SE. by E., about ½ mile from Gibbs Point, Va.	36 32 (03) 76 01 (19)	Fixed white	Lens lantern	20	8½
515	CURRITUCK SOUND. — Beacon-Light No. 5	Off Mackay Island, about 1⅞ miles SSE. from Troublesome Point, and about 1⅞ miles WNW. ½ W. from Halfway Point, N. C.	36 28 (40) 76 00 (08)	Fixed white	Lens lantern	20	8½
516	CURRITUCK SOUND. — Beacon-Light No. 6	In a southerly direction from Mackay Island, 2 miles S. ½ E. from Halfway Point; 2½ miles due E. from Currituck Court-House, and ½ mile N. from Bell Point, N. C.	36 26 (59) 75 57 (55)	Fixed white	Lens lantern	20	8½
517	CURRITUCK SOUND. — Beacon-Light No. 7	One-half mile W. from head of Church Island, and ½ mile E. from Bell Island, N. C.	36 25 (00) 75 57 (13)	Fixed white	Lens lantern	20	8½
518	CURRITUCK SOUND. — Beacon-Light No. 8 (Long Point).	On Long Point, N. C	36 23 (52) 75 57 (21)	Fixed white	Lens lantern	26	8½
519	CURRITUCK SOUND. — Coanjock Bay Beacon-Light	On the E. bank of the Albemarle and Chesapeake Canal, at the head of the cut in Coanjock Bay, N. C.		Fixed white	Lens lantern	20	
520	Beacon-Light No. 9	In North River, opposite mouth of Albemarle and Chesapeake Canal, N. C.	36 12 (48) 75 58 (15)	Fixed white	Lens lantern	20	8½
521	Beacon-Light No. 10	In North River, off Deep Bend, N. C.	36 15 (24) 75 57 (27)	Fixed white	Lens lantern	20	8½
522	Range. — North River Bar (front)	On the prolongation of the axis of the dredged cut across the bar, mouth of North River, N. C.		Fixed white	Lens lantern	19	
523	Range. — North River Bar (rear)	About ¾ mile N. ⅓ E. from preceding		Fixed white	Lens lantern	35	

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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VIRGINIA AND NORTH CAROLINA. FIFTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
504	Conical red tower; lantern, black. Dwelling detached and in rear. To the N. and S. of tower are high white sand hills; no other prominent objects in the vicinity.	150	1875	.....	.....	Cape Henry Light, N. by W., 34 miles; Bodie Island Light, S. by E. ¾ E., 32½ miles.
505	Conical brick tower, granite base. Shaft colored in alternate black and white bands, commencing with black below; lantern and iron-work, black. White dwelling, 50 yards to westward.	150	1847	1872	.....	This light also shows in the sounds of North Carolina within its geographical range of visibility. Cape Hatteras, S., 35 miles; Cape Henry, N. by W. ¼ W., 70 miles.
506	Tower colored in spiral bands, alternately black and white; lantern, black.	189	1798	1870	.....	Dangerous shoals, with 9 feet of water over them lie in a southeasterly direction from the light, at a distance of 9 to 10 miles. There is a life-saving station here.
507	White, square screw-pile structure; piles and roof, brown; lantern, black.	23	1855	1886	.....	Cape Hatteras Light, N. ¼ E., 1 mile.
508	.....	.....	.....	....	.....	To be built.
509	Tower and dwelling, white; lantern, black.	65	1828	.....	.....	
510	Tower, colored in black and white checkers; lantern, black.	150	1812	1859	.....	Cape Hatteras, northeasterly, 63 miles.
511	Lantern on black iron column.....	.....	1879	.....	.....	
512	Lantern on red iron column.....	.....	1879	.....	.....	
513	Lantern on black iron column	.....	1879	.....	.....	
514	Lantern on red iron column.....	.....	1879	.....	.....	
515	Lantern on red iron column.....	.....	1879	.....	.....	
516	Lantern on red iron column.....	.....	1879	.....	.....	
517	Lantern on black iron column	.....	1879	.....	.....	
518	Lantern on end of brown boathouse...	.....	1879	.....	.....	
519	Lantern on red stake.....	.....	1893	.....	.....	Shows in the axis of the cut, from the turn in the woods, to Long Point.
520	Lantern on black iron column	.....	1879	.....	.....	
521	Lantern on red iron column	.....	1879	.....	.....	
522	Black iron column surrounded by a triangular protection of piles.	.....	1893	.....	.....	
523	White triangular iron structure.....	.....	1893	.....	.....	

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FIFTH DISTRICT. NORTH CAROLINA.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
				° ′ ″				
524	Albemarle Sound.	North River	In 3½ feet of water, on bar at entrance to North River, N. C., about 300 yards westward from channel.	36 09 (21) 75 53 (48)	Fixed red	5	35	8½
525	Albemarle Sound.	Wade Point	In 8 feet of water, on point of shoal, W. side of Pasquotank River, N. C.	36 09 (12) 75 58 (38)	Fixed white	4	31	10½
526	Albemarle Sound.	Laurel Point	In 10 feet of water, about 1½ miles north-northeasterly from Laurel Point, N. C.	36 00 (15) 76 23 (30)	Flashing white every 30 sec.	4	42	11½
527	Albemarle Sound. Range.	Edenton Harbor (front)	At Edenton, N. C., on end of County Wharf.	36 03 (24) 76 36 (36)	Fixed red	Lens lantern	8	.....
528	Albemarle Sound. Range.	Edenton Harbor (rear)	Four hundred feet northward of preceding.	.....	Fixed red	Lens lantern	30	.....
529	Albemarle Sound.	Roanoke River	In 7½ feet of water, about ½ mile N. of E. point of mouth of Roanoke River, N. C.	35 57 02 76 41 40	Fixed white	4	35	11
530		Croatan	In 8 feet of water, between Croatan and Albemarle sounds, N. C.	35 56 (46) 75 46 (50)	Fixed white, with a fixed red sector between W. ½ N. and NW. ½ N.	4	40	11½
531		Roanoke Marshes	In 13 feet of water; on E. side and about midway of the narrow channel connecting Pamlico and Croatan sounds, N. C.	35 48 (41) 75 42 (05)	Fixed white, with a fixed red sector between S. ½ E. and S. ½ E.	4	37	11½
532	Pamlico Sound.	Long Shoal	In 9 feet of water, on E. point of Long Shoal, N. C.	35 33 23 75 42 16	Fixed white	4	35	11
533	Pamlico Sound.	Hatteras Inlet	In 7 feet of water, on Oliver Reef, N. side of entrance to Hatteras Inlet from Pamlico Sound, N. C.	35 15 48 75 45 38	Flashing red every 30 sec.	4	38	11½
534	Pamlico Sound.	Gull Shoal	In 9½ feet of water, on extreme easterly end of Gull Shoal making off to the eastward from the westerly shore of the sound, N. C.	35 22 (02) 75 57 (30)	Fixed red	4	43½	11½
509	Pamlico Sound.	Ocracoke	Near entrance to and on N. side of Ocracoke Inlet, about 23½ miles to southward and westward of Cape Hatteras, N. C.	35 06 32 75 59 11	Fixed white	4	75	14½
535	Pamlico Sound.	Southwest Point Royal Shoal	In 6 feet of water, on SW. point of Royal Shoal, in the sound, N. C., about 8 miles from Ocracoke Light.	35 07 (07) 76 08 (35)	Fixed white	5	35	11
536	Pamlico Sound.	Northwest Point Royal Shoal	In 9 feet of water, on NW. point of Royal Shoal, E. side of channel, in the sound, N. C., 9 miles from Ocracoke Light.	35 09 19 76 09 30	Fixed white, varied by a white flash every 90 sec.	4	33	11
537	Pamlico Sound.	Harbor Island Bar	In 6 feet of water, on Harbor Island Bar, E. side of entrance from Pamlico Sound into Core Sound, N. C.	35 00 (22) 76 13 (18)	Flashing red every 10 sec.	5	40	11½
538	Pamlico Sound.	Brant Island Shoal	In 7 feet of water, in the southern part of the sound, N. C.	35 08 (10) 76 17 (37)	Fixed white	5	35	11

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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NORTH CAROLINA. FIFTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
524	White square screw-pile structure; piles, brown; lantern, black.	....	1866	.....	Bell struck by machinery every 5 sec.	The channel is very narrow.
525	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1855	.....	Bell struck by machinery, a double blow, every 20 sec.	Guide into Pasquotank River.
526	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1880	.....	Bell struck by machinery every 10 sec.	
527	Lantern hung on an iron post.....	.....	1879	1887	.....	Mark the dredged channel into Edenton Harbor.
528	Lantern hung on a mast	.....	1879	1887	.....	
529	White square screw-pile structure; piles, brown; lantern, black; shingle roof, brown.	.....	1866	1887	Bell struck by machinery every 15 sec.	
530	White square screw-pile structure with green shutters; piles and roof, brown; lantern, black. Fog bell on W. side of roof.	....	1860	1887	Bell struck by machinery every 15 sec.	Guide into Croatan Sound, N. C., N. point of Roanoke Island, E. ¼ S., 3½ miles; North River Light, N. by W. ½ W., 13½ miles; Wade Point Light, NW. by N., 15½ miles. The northerly edge of the red sector is tangent to the northerly part of Roanoke Island, and its southwesterly edge passes to the southwestward of Fulker Island Obstructions Buoy No. 1. The eastern edge of the red sector of the Roanoke Marshes Light and the southwesterly edge of the red sector of the Croatan Light intersect at Buoy No. 1. Vessels going north will keep in the white light to the eastward of the red sector of Roanoke Marshes Light until they run into the red sector of the Croatan Light, which they will keep until they have crossed the red sector of the Roanoke Marshes Light, running thence on the southwesterly edge of the red sector of Croatan Light until the light-house is passed.
531	White square screw-pile structure; piles and roof, brown; lantern, black.	.....	1857	1877	Bell struck by machinery every 12 sec.	The red sector covers Fulker Island Obstructions Buoy No. 1.
532	White square screw-pile structure; shingle roof, dark red; piles, brown; lantern, black.	.....	1867	.....	Bell struck by machinery at alternate intervals of 5 and 30 sec.	
533	White square screw-pile structure; piles and roof, brown; lantern, black.	.....	1874	.....	Bell struck by machinery every 8 sec.	Fort Clark, S. ¼ E., about 5 miles; Cape Hatteras Light, E. ¾ S., 11 miles.
534	White hexagonal screw-pile structure; piles and roof, brown; blinds, green; lantern, black.	.....	1891	.....	Bell struck by machinery, a double blow every 15 sec.	
509	Tower and dwelling, white; lantern, black.	65	1828	.....	.....	....
535	White square screw-pile structure; piles and roof, brown; lantern, black.	.....	*1867	1887	.....	
536	White hexagonal screw-pile structure; piles and roof, brown; roof of lantern, black.	.....	1857	1882	Bell struck by machinery every 15 sec.	
537	White square screw-pile structure, with green shutters; piles and roof, brown; lantern, black.	.....	†1867	1888	Bell struck by machinery every 10 sec.	Guide into Core Sound.
538	White square screw-pile structure; piles and roof, brown; lantern, black.	.....	1863	1877	Bell struck by machinery every 20 sec.	

* Discontinued 1880; relighted 1887.

† Discontinued 1880; relighted 1888.

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FIFTH DISTRICT. NORTH CAROLINA.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
				° ′ ″				
539	Pamlico Sound	Pamlico Point	In 11 feet of water, on E. point of shoal making out from Pamlico Point, S. side of river, N. C.	35 18 (40) 76 27 (03)	Fixed white	4	43½	11½
540	Pamlico Sound	McWilliams Point Shoal	In 8 feet of water, on S. part of Middle Ground, off McWilliams Point, Pamlico River, N. C.		Fixed white	Tub'lar lantern.	10	
541	Pamlico Sound	Neuse River	In 5 feet of water, on point of shoal making out from Piney Point, W. side of entrance to Neuse River, N. C.	35 05 20 76 32 56	Fixed white	5	35	11½

SIXTH DISTRICT. NORTH CAROLINA.

542		*Frying-Pan Shoals Light-Vessel, No. 53.*	Moored in 60 feet of water, off Frying-Pan Shoals, making off to the southward and eastward from Cape Fear N. C., about 2½ miles to the southward of the outer 18-foot shoal.	33 34 (26) 77 49 (12)	Two fixed white	Refl'r.	{37½ 37½}	11½
543		Cape Fear	On Bald Head, northwesterly end of Smith Island, entrance to Cape Fear River, N. C.	33 52 24 77 59 54	Flashing white every 30 sec.	4	99	15½
544	Range.	Oak Island (front)	On Oak Island, mouth of Cape Fear River, N. C.	33 53 (27) 78 01 (40)	Fixed red	Tub'lar lantern.	18	
545	Range.	Oak Island (rear)	On Oak Island, mouth of Cape Fear River, N. C.	33 53 32 78 01 39	Fixed red	4	42	11½
546	Cape Fear River. Range.	New Channel (front) Post-Light.	On westerly side of Smith Island, E. side of mouth of river, N. C.	33 52 (34) 77 59 (59)	Fixed white	Tub'lar lantern.	10	
547	Cape Fear River. Range.	New Channel (rear) Post-Light.	On westerly side of Smith Island, E. side of mouth of river, N. C.	33 52 (47) 77 59 (34)	Fixed white	Tub'lar lantern.	16	
548	Cape Fear River. Range.	Smith Island (front) Post-Light.	On Smith Island, E. side of river, N. C.	33 53 (04) 77 59 (30)	Fixed red	Lens lantern.	15	
549	Cape Fear River. Range.	Smith Island (rear) Post-Light.	On Smith Island, E. side of river, N. C.	33 53 (15) 77 59 (14)	Fixed red	Lens lantern.	28	
550	Cape Fear River.	Lower Swash Channel Post-Light, No. 4.	Opposite mouth of Price Creek, E. side of river channel, N. C.		Fixed red	Tub'lar lantern.		
551	Cape Fear River. Range.	Snow Marsh Channel (front) Post-Light.	Two thousand six hundred feet apart, on northeasterly prolongation of axis of dredged channel through Horseshoe Shoal, N. C.	33 57 (47) 77 56 (44)	Fixed white	Tub'lar lantern.	10	
552	Cape Fear River. Range.	Snow Marsh Channel (rear) Post-Light.	Two thousand six hundred feet apart, on northeasterly prolongation of axis of dredged channel through Horseshoe Shoal, N. C.	33 58 (06) 77 56 (21)	Fixed white	Tub'lar lantern.	15	
553	Cape Fear River. Range.	Reeves Point Channel (front) Post-Light.	Two thousand six hundred feet apart, on northerly prolongation of axis of Reeves Point Channel, N. C.	33 59 (31) 77 56 (46)	Fixed red	Tub'lar lantern	10	
554	Cape Fear River. Range.	Reeves Point Channel (rear) Post-Light.	Two thousand six hundred feet apart, on northerly prolongation of axis of Reeves Point Channel, N. C.	33 59 (58) 77 56 (46)	Fixed red	Tub'lar lantern	15	
555	Cape Fear River.	Upper Drum Shoal Post-Light, No. 7.	About 3 miles below Old Brunswick, E. side of channel, N. C.		Fixed red	Tub'lar lantern		

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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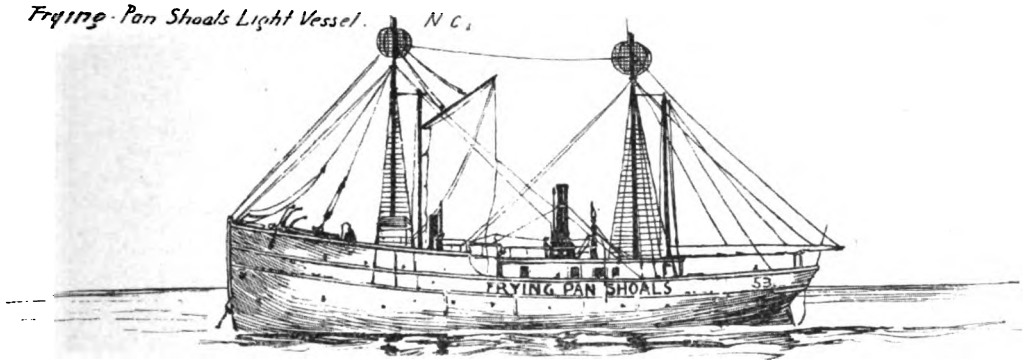
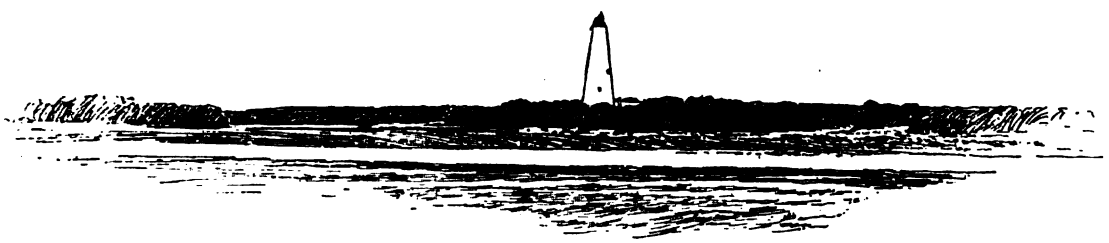
Frying Pan Shoals Light Vessel. N.C.

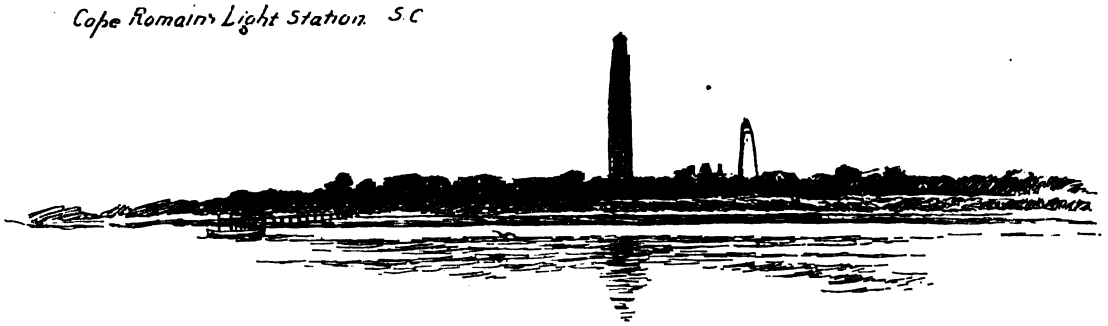


Cape Fear Light Station N.C.



Georgetown Light Station S.C.

Cape Romain Light Station S.C.



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NORTH CAROLINA. FIFTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
539	White hexagonal screw-pile structure; piles and roof, brown; blinds, green; lantern, black.	.....	1891	.....	Bell struck by machinery every 10 sec.	
540	Red pile	.....	1892	1893	.....	
541	White square screw-pile structure; piles and roof, brown; lantern, black.	.....	1862	.....	Bell struck by machinery every 15 sec.	

NORTH CAROLINA. SIXTH DISTRICT.

542	Two masts, schooner-rigged, no bowsprit; mastheads black, with a black circular iron cagework day-mark at each. Hull, yellow, with the words "FRYING-PAN SHOALS" in large black letters on each side and "53" in large black figures on each quarter. A black smokestack and fog signal between the masts.	.....	1854	1892	12-inch steam whistle; blasts 5 sec., alternate silent intervals 10 and 40 sec. If whistle be disabled a bell will be rung by hand.	About 9½ miles ESE. ½ E. from the light-vessel there is a 5-fathom shoal on which the sea breaks in SE. gales. The soundings, in approaching the shoals off Cape Fear from the eastward, are regular, but from westward irregular. Masters of vessels of heavy draft, in passing these dangerous shoals, should be careful to get frequent casts of the lead and never run into less than 10 fathoms of water, if in a steamer, and 15 to 16 fathoms in a sailing vessel. Whistle sounds thus: Blast, 5 sec. — Silent interval, 10 sec. — Blast, 5 sec. — Silent interval, 40 sec.
543	White pyramidal tower	96	1818	.....	.....	This light, as a rear light, forms a range with the front light of the New Channel Range for running (NNW. ½ W.) from the Smith Island Range to an anchorage near Southport.
544	White post	16	1849	1893	.....	To guide to Cape Fear River Entrance Bell Buoy at the intersection of this range with the New Channel Range
545	White square pyramidal skeleton structure, standing on square foundation 12 feet high. Light-brown dwelling a little southeastward of the line of the beacons.	40	1849	1879	.....	There is a life-saving station 1,200 feet to the eastward of this station.
546	Post supporting lantern	.....	1889	.....	.....	To guide from the Entrance Bell Buoy through the New Channel across Cape Fear River Bar to the Smith Island Range. The *front* light of this range with Cape Fear Light forms a range for running (NNW. ½ W.) from the Smith Island Range to an anchorage near Southport.
547	Post supporting lantern	.....	1889	.....	.....	
548	Triangular pile structure, surmounted by lantern deck and railing.	....	1885	.....	.....	This range guides through the channel in Cape Fear River from the New Channel Range to the range formed by the *front* light of the New Channel Range and the Cape Fear Light.
549	Square pile structure, surmounted by lantern deck and railing.	.....	1885	.....	.....	
550	Triangular pile structure, with number and square red day-mark.	....	1885	.....	.....	
551	Black three-pile structure, with red day-mark 7 feet square.	.....	1890	.....	.....	
552	Black three-pile structure, with red day-mark 7 feet square.	.....	1890	.....	.....	
553	Black three-pile structure, with white day-mark 7 feet square.	.....	1890	.....	.....	
554	Black three-pile structure, with white day-mark 7 feet square.	.....	1890	.....	.....	
555	Triangular pile structure, with number and square red day-mark.	.....	1885	.....	.....	

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SIXTH DISTRICT. NORTH CAROLINA AND SOUTH CAROLINA.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
				° ′ ″				
556	Cape Fear River.	Old Brunswick Post-Light, No. 8.	On the point, W. side of channel, N. C ..	.....	Fixed white	Tub'lar lantern	.....	.....
557		Orton Point Post-Light, No. 9.	On the point, W. side of channel, N. C ..	.....	Fixed white	Tub'lar lantern	.....	.....
558		Lilliput Post-Light, No. 10....	About 2¼ miles above Orton Point, E. side of channel, N. C.	.....	Fixed red.....	Tub'lar lantern	.....	.....
559		Campbell Island Post-Light, No. 11.	Off N. end of island, W. side of channel, N. C.	.....	Fixed white	Tub'lar lantern	....	.....
560		First Western Jetty Post-Light, No. 12.	On end of jetty, W. side of channel, N. C.	.....	Fixed white	Tub'lar lantern	.....	.....
561		Second Eastern Jetty Post-Light, No. 13.	On end of jetty, E. side of channel, N. C..	.....	Fixed red.....	Tub'lar lantern	.....	.....
562		Third Western Jetty Post-Light, No. 14.	On end of jetty, W. side of channel, N. C.	.....	Fixed white	Tub'lar lantern	.....	.....
563		Fourth Eastern Jetty Post-Light, No. 15.	On end of jetty, E. side of channel, N. C..	.....	Fixed red.....	Tub'lar lantern	...	....
564		Hospital Point Post-Light, No. 16.	Off the point, E. side of channel, N. C ..	.....	Fixed red.....	Tub'lar lantern	.....	.....
565		GEORGETOWN	On S. side of North Island, E. side of entrance to Pedee River and to harbor of Georgetown, S. C.	33 13 (21) 79 10 (55)	Fixed white	4	85	15
566		Sampit River	In 5 feet of water, near Fort Point, at junction of Sampit and Pedee rivers, entrance to Georgetown, S. C.	33 21 (09) 79 16 (22)	Fixed red	Tub'lar lantern	22	.....
567		CAPE ROMAIN	On Raccoon Key, about 6 miles from extremity of shoals off cape, and 10 miles SW. of entrance to Santee River, S. C.	33 01 (06) 79 22 (19)	Flashing white every minute.	1	154	18¼
568		Bull Bay Pierhead	On Bull Bay Oyster Company's Wharf, Bull Bay, S. C.	33 00 (13) 79 32 (52)	Fixed white.....	Tub'lar lantern	10	.....
569		BULL BAY.....	North end of Bull Island, 25 miles NE. of Charleston, S. C.	32 55 20 79 33 49	Fixed white	4	44	12
570		*Rattlesnake Shoal Light-Vessel, No. 29.*	In 33 feet of water, off Rattlesnake Shoal, northeasterly of the entrance to Charleston Harbor, S. C.	32 44 (00) 79 43 (40)	Two fixed white	Refl'r.	40 40	11½
571	Charl'on Harbor. Ranges.	CHARLESTON (rear light for Morris Island North and South Ranges).	On S. end of Morris Island, S. C.....	32 41 43 79 52 54	Fixed white	1	155	18½
572		Morris Island South (front)..	On S. end of Morris Island, S. C., about 1,820 feet SSE. ½ E., in front of the preceding.	32 41 27 79 52 42	Fixed red.....	Lens lantern	21	.....
573		Morris Island North (front)...	On S. end of Morris Island, S. C., about 2,125 feet SE. ½ E., in front of Charleston Light.	32 41 31 79 52 35	Fixed white	Tub'lar lantern	19	.....
574		Sullivans Island West (front).	On Sullivans Island, about 360 feet southeasterly from SE. angle of Fort Moultrie, S. C.	32 45 31 79 51 18	Fixed red.....	6	26	7½
575		Sullivans Island East (front).	On Sullivans Island, about 190 feet eastward of front beacon of West Range, S. C.	32 45 31 79 51 16	Fixed white	Lens lantern	33	.....
576		Sullivans Island (rear for West and East Ranges).	On Sullivans Island, about 1,300 feet to northward of front beacons, S. C.	32 45 44 79 51 18	Fixed red.....	4	57	11½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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NORTH CAROLINA AND SOUTH CAROLINA. SIXTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
556	Triangular pile structure, with number and square white day-mark.	.....	1885	.....	.....	
557	Triangular pile structure, with number and square white day-mark.	.....	1885	.....	.....	
558	Triangular pile structure, with number and square red day-mark.	.....	1885	.....	.....	
559	Triangular pile structure, with number and square white day-mark.	.....	1885	.....	.....	
560	Triangular pile structure, with number and square white day-mark.	.....	1885	.....	.....	
561	Triangular pile structure, with number and square red day-mark.	.....	1885	.....	.....	
562	Triangular pile structure, with number and square white day-mark.	.....	1885	.....	.....	
563	Triangular pile structure, with number and square red day-mark.	.....	1885	.....	.....	
564	Triangular pile structure, with number and square red day-mark.	.....	1885	.....	.....	
565	White tower and dwelling.....	82	1801	1867	.....	On most prominent point seaward, on a bald sea beach.
566	Light exhibited above the roof of small lantern room, on pile foundation, all white.	27	1881	.....	.....	Should be seen as soon as Frazier Point is opened.
567	Red, octagonal tower; cornice of lantern, white; dome and balustrade, black. Old tower (conical), near by, white.	150	1827	1866	.....	Cape Romain about 1½ miles distant. Raccoon Key low and sandy, with low growth of baywood.
568	Post on wharf.....	.....	1889	.....	.....	Harbor light, to guide only in the Inland Passage across Bull Bay. The light is visible from about N. ¾ E. through westward to about W. ½ S.
569	White lantern with black top on white dwelling; background of woods.	35	1852	.....	.....	
570	Two masts; schooner-rigged; black oval day-mark at each masthead. Hull, white; masts, yellow; topmasts, black. The words "RATTLESNAKE SHOAL" on each side in large black letters, and "No. 29" on each quarter.	.....	1854	.....	Bell or horn.....	East end of Rattlesnake Shoal, N. ¾ E.; Morris Island South Range (front), WSW. ¾ W.; Fort Sumter, WNW. ½ W.
571	Conical tower, colored with alternate black and white bands, three of each color, commencing with black at the top. White dwelling, 60 feet to southward.	150	1767	1876	.....	Rattlesnake Shoal Light-Vessel, ENE. ½ E., 8½ miles. Cross Charleston Bar on either Morris Island South Range (Main Channel—rear light white, front light red) or Morris Island North Range (New Pumpkin Hill Channel—two white lights). Then take up the Sullivans Island West Range (two red lights) to the intersection with the range formed by the two front lights of the Morris Island North and South ranges (front light white, rear light red), which follow to the intersection with the Sullivans Island East Range (front light white, rear light red). Follow the latter range, through the opening in the stone jetty across the Main Ship-Channel, until Fort Sumter and Fort Ripley Shoal lights are in range or opened slightly to the southward. Then proceed by compass course NW. ¾ W. to the intersection with the range formed by the two front lights of the Sullivans Island West and East ranges (front light red, rear light white) The latter range guides past Fort Ripley Shoal Light to anchorage off East Battery, Charleston.
572	Red pyramidal skeleton structure	19	1837	1893	.....	
573	Black pyramidal skeleton structure ..	17	1888	1893	.....	
574	Red structure.....	.....	1848	1872	.....	
575	Square black pyramidal skeleton structure.	.....	1888	.....	.....	
576	Square white pyramidal skeleton structure.	55	1848	1872	.....	

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SIXTH DISTRICT. SOUTH CAROLINA AND GEORGIA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
			° ′ ″				
577	CHARLESTON HARBOR. Swash Channel Range. Fort Sumter (front)	On NW. face of Fort Sumter, S.C.	32 45 08 79 52 19	Fixed white	5	51	12½
578	CHARLESTON HARBOR. Swash Channel Range. St. Philip's Church (rear).	In the heart of the city of Charleston, 3½ miles NW. by W. ½ W. in rear of the preceding, S. C.	32 46 (43) 79 55 (33)	Fixed white	Refl'r.	140	17½
579	CHARLESTON HARBOR. Fort Ripley Shoal (Middle Ground).	In 8 feet of water, on Middle Ground between South Channel and Folly Island Channel, S. C.	32 45 52 79 54 07	Fixed red	5	44	8½
580	CHARLESTON HARBOR. Castle Pinckney Pierhead	On SE. end of wharf at Castle Pinckney, S. C.	32 46 (22) 79 54 (37)	Fixed red	Tub'lar lantern	22	.....
581	CHARLESTON HARBOR. Sullivans Island Cove Pierhead	On S. end of Sea View Railroad Bridge, N. side of channel, S. C.	32 45 (53) 79 51 (36)	Fixed red	Tub'lar lantern	13	.....
582	HUNTING ISLAND	On Hunting Island, about 1¼ miles from its N. end, S. side of entrance to St. Helena Sound, S. C.	32 22 (34) 80 26 (14)	Flashing white every 30 sec.	2	133	17½
583	*Martins Industry Light-Vessel No. 1.*	In 52 feet of water, off Port Royal entrance, outside of Martins Industry Shoal, S. C., about 15 miles eastward of Tybee Light, Ga.	32 05 (33) 80 33 (15)	Two fixed white	Refl'r.	44 44	12
584	Range. Hilton Head (front)	Near the SE. shore of Hilton Head Island, S. C.	32 09 (40) 80 43 (06)	Fixed white	4	32	10½
585	Range. Hilton Head (rear)	About 1 mile W. by N., in rear of the preceding.	32 09 (52) 80 44 (22)	Fixed red	Refl'r	92	15½
586	Range. Paris Island (front)	On southerly point of Paris Island, S. C.	32 17 (50) 80 40 (08)	Fixed white	Refl'r.	45	12
587	Range. Paris Island (rear)	About 1½ miles NNW. ½ W., in rear of the preceding.	32 18 (51) 80 40 (44)	Fixed white	Refl'r.	123	16
588	Range. Daufuskie Island (front)	Near shore, on NE. point of Daufuskie Island, S. C.	32 08 (21) 80 49 (50)	Fixed white	Lens lantern	18	.....
589	Range. Daufuskie Island (rear)	Near NE. point of Daufuskie Island, S. C., 750 yards to northward of front light.	32 08 (42) 80 49 (52)	Fixed white	5	61	12½
590	Range. Bloody Point (front)	On southerly end of SE. shore of Daufuskie Island, S. C.	32 05 (18) 80 51 (55)	Fixed red	Refl'r	19	9½
591	Range. Bloody Point (rear)	About ¾ mile NW. ¾ N., in rear of the preceding.	32 05 (50) 80 52 (20)	Fixed red	Refl'r.	81	14½
592	Range. TYBEE	On NE. end of Tybee Island, Ga., S. side of entrance to Savannah River.	32 01 20 80 50 37	Fixed white	1	144	18
593	Range. Tybee Beacon	Near NE. point of Tybee Island, Ga., about ¾ mile ESE. ¼ E. in front of the preceding.	32 01 (17) 80 50 (10)	Fixed white	4	28	10½

NOTE—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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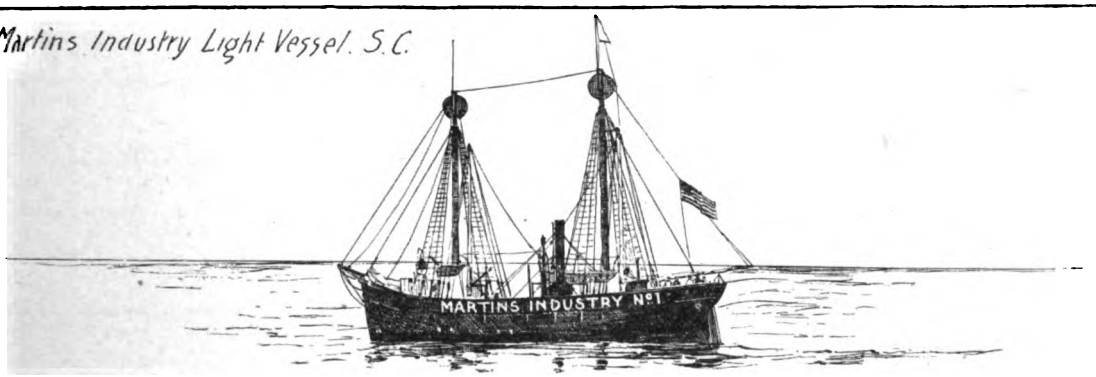
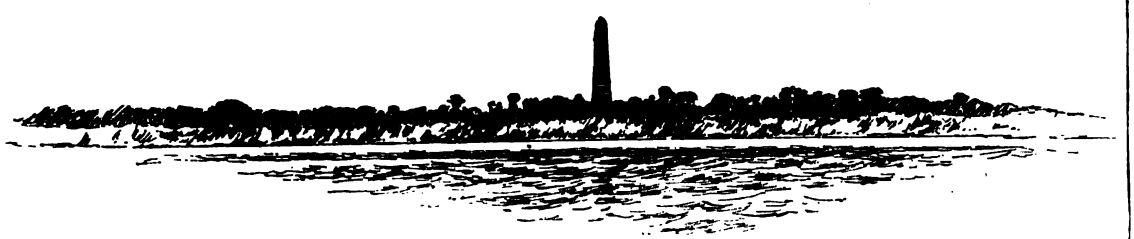
Chorleston Light Station. S.C.

Martins Industry Light Vessel. S.C.



Tybee Light Station. Ga.



St Johns River Light Station Fla

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SOUTH CAROLINA AND GEORGIA. SIXTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
577	White framework structure, with skeleton fog-bell tower close by.	25	1855	1866	Bell struck by machinery, a double blow every 15 sec.	Form a range leading through the Swash Channel, recently dredged, between the stone jetties constructed for the improvement of Charleston Harbor. About 13 feet may be carried through this channel. The range should be taken at a point about 2¾ miles WSW. of Rattlesnake Shoal Light-Vessel, No. 29, and followed until the Sullivans Island East Range Lights come into range, at which point the directions for entering Charleston Harbor should be taken up and followed.
578	White octagonal pyramidal church steeple.	.....	1893	.....	.....	
579	White hexagonal screw-pile structure; piles, brown; lantern, yellow.	.....	1878	.....	Bell struck by machinery every 10 sec.	Fort Sumter, ESE., 1½ miles.
580	Post on wharf	12	1880	.....	.....	
581	Post on incomplete railroad bridge.....	.....	1889	.....	.....	Guide in the Inland Passage, N. of Sullivans Island, into Hog Island Channel.
582	Conical tower, lower part white, upper part black.	121	1859	1889	.....	
583	Two masts, schooner-rigged; mast-heads, black, with a black hoop-iron cagework day-mark at each. Hull, red, with "MARTINS INDUSTRY" on each side in large white letters and "No. 1" on each quarter. A black smokestack and the fog signal are between the masts.	.....	1855	1892	12-inch steam whistle; blasts, 6 sec.; silent intervals, 54 sec. If whistle be disabled a bell will be rung by hand.	Guide into Port Royal Harbor and along the coast clear of danger to Tybee entrance. Whistle sounds thus: Blast, 6 sec.; Silent interval, 54 sec.; Blast, 6 sec.; Silent interval, 54 sec.
584	White pyramidal beacon, 25 feet to southward of white dwelling.	31	1881	.....	.....	Mark the range for the entrance to Port Royal Harbor. To cross the bar follow the range until the Paris Island Beacons are in range, then follow the latter range until Bay Point bears from ESE. to SE., when anchor in about 6 fathoms of water.
585	White skeleton tower.....	89	1881	.....	.....	
586	Lantern on white skeleton pyramid...	45	1881	.....	.....	To enter the harbor follow this range from its intersection with the Hilton Head Range until Bay Point bears from ESE. to SE., when anchor in about 6 fathoms of water.
587	Triangular skeleton pyramid, covered with black slats for 40 feet from top, white below.	120	1881	.....	.....	
588	Tower, white; lantern, red.....	15	1873	.....	.....	Guide into Calibogue Sound from Tybee Roads.
589	Red lantern on white dwelling.....	49	1873	.....	.....	
590	Light shown from window in roof of white dwelling.	20	1883	.....	.....	Range, secondary to Tybee Range, to guide in crossing Savannah River Bar. Follow the Tybee Range on a WNW. ½ W. course until these lights are in range, follow this range (NW. ½ N.) until Tybee Light bears W. ½ N., at which point the Venus Point Lights are brought in range. Distance between lights, ¾ mile.
591	Triangular skeleton tower, white for 50 feet from base and red above to top.	81	1883	.....	.....	
592	Octagonal brick tower; lower 50 feet black, upper part white; lantern, black.	134	1793	1867	.....	Guide to entrance to Savannah River. There is a signal-display station about 800 feet NNE. of the light-house, and an old Martello tower used as a private signal station.
593	Skeleton tower, with seaward side inclosed, painted white.	.....	1822	1877	.....	Serves as range, with main light, for crossing the bar.

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SIXTH DISTRICT. SOUTH CAROLINA AND GEORGIA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
			° ′ ″				
594	SAVANNAH RIVER. Cockspur Island	On knoll connected with eastern end of Cockspur Island, Ga.	32 01 21 80 52 40	Fixed white	6	22	9¼
595	Oyster Beds	On Oyster Beds, Ga., to mark S. channel.	32 02 20 80 53 33	Fixed red	6	32	7½
596	Range. Tybee Knoll Cut (front)	Near easterly end of Long Island, Ga.	32 01 (57) 80 54 (20)	Fixed white	6	24	10
597	Range. Tybee Knoll Cut (rear)	About 2,150 feet W. ¾ S. in rear of the preceding.	32 01 (57) 80 54 (44)	Fixed white	6	47	11½
598	Long Island East Beacon	On E. end of Long Island, Ga.	32 02 (07) 80 54 (55)	Fixed red	Tub'lar lantern.	40	
599	Wing Dam No. 28 Post-Light.	On channel end of wing dam, near upper end of Long Island, Ga.		Fixed white	Tub'lar lantern.	8	
600	Range. Venus Point (front)	Near SE. point of Jones Island, S. C.	32 03 (25) 80 55 (33)	Fixed white	Refl'r.	26	
601	Range. Venus Point (rear)	On S. side of Jones Island, S. C., about 1 mile WNW. ¼ W., in rear of the preceding.	32 03 (47) 80 56 (40)	Fixed white	Refl'r	83	
602	Jones Island	On W. end of Jones Island, S. C.	32 04 (25) 80 57 (32)	Fixed red	Tub'lar lantern.	40	
603	Wing Dam No. 13 Post-Light.	On channel end of wing dam below Elba Island, Ga., nearly opposite Jones Island Light.		Fixed white	Tub'lar lantern.	8	
604	Range. Elba Island (front)	Near E. end of Elba Island, Ga.	32 04 (23) 80 58 (28)	Fixed red	Refl'r	33	
605	Range. Elba Island (rear)	About ⅝ mile NW. by W. ¾ W. in rear of the preceding.	32 04 (35) 80 58 (56)	Fixed red	Refl'r.	60	
606	Wing Dam No. 10 Post-Light.	On channel end of wing dam making out from Elba Island, above Elba Island Range rear light, Ga.		Fixed white	Tub'lar lantern.	8	
607	Wing Dam No. 25 Post-Light.	On channel end of wing dam making out from South Carolina shore, below lower end of Spirit Island.		Fixed white	Tub'lar lantern.	8	
608	Wing Dam No. 4 Post-Light.	On channel end of wing dam making out from lower end of Spirit Island, Ga.		Fixed white	Tub'lar lantern.	8	
609	Barnwell Place Post-Light	On South Carolina shore, opposite Spirit Island.	32 05 (56) 80 59 (47)	Fixed red	Tub'lar lantern	40	
610	Mackey Point Post-Light	Between Mackey Point and NW. end of Elba Island, Ga.	32 05 (20) 81 01 (06)	Fixed white	Tub'lar lantern.	8	
611	Range. Fort Jackson (front)	On Georgia shore, about ⅝ mile below Fort Jackson.	32 05 (12) 81 01 (22)	Fixed red	Tub'lar lantern.	30	
612	Range. Fort Jackson (rear)	About ½ mile SSW. ¾ W. in rear of the preceding.	32 05 (06) 81 01 (27)	Fixed red	Tub'lar lantern.	40	
613	Range. Fig Island (front)	In about 5 feet of water, near S. shore of Fig Island, Ga.	32 04 (48) 81 03 (50)	Fixed red	Refl'r.	23	
614	Range. Fig Island (rear)	In cupola of Exchange Building, Savannah, Ga., about 1½ miles W. of the preceding.	32 04 (50) 81 05 (21)	Fixed red	Refl'r.	123	
615	ST. CATHERINES SOUND						
616	Range. SAPELO	On S. end of Sapelo Island, Ga., N. side of entrance to Doboy Sound.	31 23 (28) 81 17 (01)	Fixed white, varied by a white flash every 45 sec.	4	74	14½
617	Sapelo Beacon	About 650 feet SE. ¼ E., in front of the preceding.	31 23 (24) 81 16 (55)	Fixed white	Refl'r	22	9½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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SOUTH CAROLINA AND GEORGIA. SIXTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
594	Conical white tower	20	1849	1866		Guide into the channel S. of Cockspur Island.
595	White pyramidal tower; top of lantern, black.	30	1849	1866		Opposite to Cockspur Island.
596	Lantern on white dwelling		1878			Guide through dredged channel from Tybee Roads into Savannah River.
597	White skeleton tower	46	1878	1882		
598	Brown triangular skeleton tower		1884			Guide across the river from the Elba Island Range, after passing Oyster Beds Light.
599	Single pile		1887	1893		Marks channel end of first lighted wing dam.
600	Brown square skeleton tower		1884			Guide between Bloody Point and Tybee Knoll Cut ranges.
601	Brown triangular skeleton tower, with white dwelling in front.		1884			
602	Brown triangular skeleton tower		1884			Intended to show vessels where to cross the river to front beacon of Elba Island Range.
603	Cluster of three piles		1884			Marks channel end of second lighted wing dam.
604	Brown triangular skeleton tower, with white dwelling in rear.		1884			Guide from Tybee Knoll Cut Range through channel S. of Oyster Beds Light.
605	Brown triangular skeleton tower		1884			
606	Cluster of three piles		1887			Marks channel end of third lighted wing dam.
607	Cluster of three piles		1884			Marks channel end of fourth lighted wing dam.
608	Cluster of three piles		1884	1888		Marks channel end of fifth lighted wing dam.
609	Brown triangular skeleton tower		1884			Guides across river from rear beacon of Elba Island Range.
610	Cluster of three white piles		1888			Marks obstructions at W. end of South Channel.
611	Brown, triangular skeleton tower		1884			Guide past obstructions near NW. end of Elba Island.
612	Brown, triangular skeleton tower		1884			
613	Square white lantern room, on pile foundation.		1848	1880		Guide through the "Wrecks" Channel; visible immediately after rounding Elba Island Point, and come into range about ¾ mile above Fort Jackson.
614	Brown tower of Exchange Building, Savannah.	90	1880			
615						*To be built.*
616	Tower colored, with alternate red and white horizontal belts; lantern, black; dwelling, white.	70	1820	1868		Forty-six miles from Tybee Light. Guide to entrance into Doboy Sound. At night the entrance should not be attempted by strangers without a pilot.
617	Brown beacon; lower part, on seaward side, closed and painted white.	20	1857	1868		

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SIXTH DISTRICT. GEORGIA AND FLORIDA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet	Distance visible, in nautical miles.
			° ′ ″				
618	Range. Wolf Island (front)	Near N. end of Wolf Island, Ga., about 500 feet ESE. ¾ E. in front of the preceding.	31 21 03 81 16 34	Fixed white	Refl'r.	20	9½
619	Range. Wolf Island (rear)	Near N. end of Wolf Island, Ga., S. side of entrance to Doboy Sound.	31 21 08 81 16 42	Fixed white	6	38	11½
620	Range. St. Simon	On S. end of St. Simon Island, Ga., and N. side of entrance to St. Simon Sound.	31 08 02 81 23 30	Fixed white, varied by flashes, alternately red and white; interval between flashes, 1 minute.	3	104	16
621	Range. St. Simon Beacon						
622	LITTLE CUMBERLAND ISLAND	South side of entrance to St. Andrew Sound and Satilla River, Ga.	30 58 (34) 81 24 (40)	Fixed white	3	71	14
623	Range. Amelia Island (front)	On NE. part of Amelia Island, Fla., S. side of Fernandina entrance.	30 42 (10) 81 26 (08)	Fixed white	Tub'lar lantern.	16	
624	Range. Amelia Island (rear)	On NE. part of Amelia Island, Fla., about 1,600 feet W. ¼ S. in rear of the preceding.	30 42 (09) 81 26 (26)	Fixed white	Tub'lar lantern.	30	
625	North Range. Tiger Island (front)	On northeasterly side of Tiger Island, Fla., about 150 feet back from the shore line.	30 42 (38) 81 28 (50)	Fixed white	Tub'lar lantern.	12	
626	North Range. Tiger Island (rear)	On Tiger Island, Fla., about 1,300 feet W. ¼ N. in rear of the preceding.	30 42 (39) 81 29 (05)	Fixed white	Tub'lar lantern.	30	
627	South Range. Tiger Island (front)	On southeasterly part of Tiger Island, Fla., about 100 feet back from the shore line.	30 41 (37) 81 28 (00)	Fixed red	Tub'lar lantern.	12	
628	South Range. Tiger Island (rear)	On Tiger Island, Fla., about 400 feet S. by W. ¾ W. in rear of the preceding.	30 41 (34) 81 28 (01)	Fixed red	Tub'lar lantern.	18	
629	AMELIA ISLAND	About 2 miles from N. end of Amelia Island, Fla., S. side of Fernandina entrance.	30 40 23 81 26 26	Flashing white every 90 sec.	3	107	16½
630	ST. JOHNS RIVER	Near mouth of St. Johns River, S. side of entrance to Jacksonville, Fla.	30 23 36 81 25 27	Fixed white	3	77	14½
631	St. Johns River. Batton Island Shoal Post-Light, No. 2.	In 6 feet of water, on SE. point of Batton Island Shoal, Fla.		Fixed red	Tub'lar lantern.	10	
632	St. Johns River. Great Marsh Island Shoal Post-Light, No. 1.	On NW. point of shoal extending from Great Marsh Island, Fla.		Fixed white	Tub'lar lantern.	10	
633	St. Johns River. Little Marsh Island Post-Light, No. 4.	Off Little Marsh Island, N. side of channel, Fla.		Fixed red	Tub'lar lantern.		
634	St. Johns River. Range. Little Marsh Island Channel (front) Post-Light, No. 6.	On edge of marsh, W. side of mouth of Clapboard Creek, Fla.		Fixed red	Tub'lar lantern.		
635	St. Johns River. Range. Little Marsh Island Channel (rear) Post-Light.	On marsh, about 300 yards in a north-northwesterly direction from front light, Fla.		Fixed white	Tub'lar lantern.		
636	St. Johns River. Browns Creek Post-Light, No. 3.	South side of channel, above mouth of Browns Creek, Fla.		Fixed white	Tub'lar lantern.		
637	St. Johns River. Dame Point Dredged Cut. Lower Quarantine Shoal Post-Light, No. 7.	On E. side of channel, about 75 feet outside of the edge of the cut.		Fixed white	Tub'lar lantern.		
638	St. Johns River. Dame Point Dredged Cut. Post-Light No. 12	Opposite the upper end of Quarantine Island, in 8 feet of water, 20 feet outside of the edge of the cut, on the starboard hand, at the third angle.		Fixed red	Tub'lar lantern.		
639	St. Johns River. Dame Point Dredged Cut. Post-Light No. 14	Off Dame Point, in 12 feet of water, 20 feet outside of the edge of the cut, on the starboard hand, at the fourth angle.		Fixed red	Tub'lar lantern.		
640	St. Johns River. Dame Point Dredged Cut. Post-Light No. 16	Off Dame Point, in 11 feet of water, 20 feet outside of the edge of the cut, on the starboard hand, at the fifth angle.		Fixed red	Tub'lar lantern.		
641	St. Johns River. Dame Point Dredged Cut. Post-Light No. 9	In 13 feet of water, 75 feet outside of the edge of the cut, on the port hand, at the upper end of the cut.		Fixed white	Tub'lar lantern.		

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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GEORGIA AND FLORIDA. SIXTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
618	Brown open framework structure	20	1823	1893		Range for outer bar at southern entrance.
619	Lantern on white dwelling	38	1822	1868		
620	White conical tower, with black lantern, attached to a two-story brick dwelling with red roof.	100	1811	1872		Amelia Island Light, S. ¼ W., 28 miles; Tybee Light, NNE. ¼ E., 60 miles. Shoals extend from a point near the light in a SSE. direction about 5½ miles.
621						To be built.
622	White tower	61	1838	1867		Coast light and guide to St. Andrew Sound. Shoal extends from light in a SSE. direction about 6 miles.
623	Black wooden skeleton structure		1893			Guide into Amelia and St. Marys rivers.
624	White wooden skeleton structure		1893			
625	White wooden skeleton structure		1893			
626	White wooden skeleton structure		1893			
627	White wooden skeleton structure		1893			
628	White wooden skeleton structure		1893			
629	White tower; lantern, black; dwelling detached.	59	1839	1881		
630	Red brick tower; lantern, black; dwelling, white.	74	1829	1859		
631	Cluster of three piles with red day-mark.		1891			
632	Cluster of three piles with black day-mark.		1888			
633	Cluster of three piles with red day-mark.		1884	1889		
634	Cluster of three piles with red day-mark.		1884			
635	Square white pyramidal skeleton structure.		1884			
636	Cluster of three piles with black day-mark.		1884	1889		
637	Cluster of three piles with black day-mark.		1884	1889		Mark the dredged cut around Dame Point, having a uniform width of 200 feet and a depth of 19 feet.
638	Single pile with red day-mark		1893			
639	Single pile with red day-mark		1893			
640	Single pile with red day-mark		1893			
641	Cluster of three piles with black day-mark.		1893			

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SIXTH DISTRICT. FLORIDA.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
				° ′ ″				
642	St. Johns River.	Petty Bank Post-Light, No. 11.	On N. side of Petty Bank, SW. side of channel, Fla.	.....	Fixed white	Tub'lar lantern.	...	.....
643		Dunn Creek (lower) Post-Light, No. 20.	On NE. side of channel, about ½ mile below mouth of Dunn Creek, Fla.	.....	Fixed red	Tub'lar lantern.	.....	....
644		Dunn Creek Post-Light, No. 13.	On SW. side of channel, opposite mouth of Dunn Creek, Fla.	.....	Fixed white	Tub'lar lantern.	.....	.....
645		Cedar Creek Post-Light, No. 17	South side of channel, opposite mouth of Cedar Creek.	.....	Fixed white	Tub'lar lantern.	.....	.....
646		Drummond Creek Post-Light, No. 22.	Opposite W. side of Drummond Creek, NW. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
647		Trout Creek Post-Light, No. 24	Opposite E. side of Trout Creek, NW. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
648		Suarrez Point Post-Light, No. 21.	East side of channel, about ½ mile below the point.	.....	Fixed white	Tub'lar lantern.	.....	.....
649		Commodore Point Shoal Post-Light, No. 26.	West side of channel, on shoal off Commodore Point.	.....	Fixed red..... ...	Tub'lar lantern.	.....	.....
650		Grassy Point Post-Light, No. 23.	Off Grassy Point, on E. side of channel..	.....	Two fixed white.....	Tub'lar lantern.	.....	.....
651		Lancaster Point Post-Light, No. 30.	Off Lancaster Point, on W. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
652		Grassy Point Middle Ground (lower end) Post-Light, No. 32.	On upper end of Middle Ground, off Grassy Point, W. side of channel.	.....	Fixed white, above fixed red.	Tub'lar lantern.	.....	.....
653		Grassy Point Middle Ground Post-Light, No. 34.	On upper end of Middle Ground, above Grassy Point, W. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
654		Philips Point Post-Light, No. 25.	Off Philips Point, E. side of channel	.....	Fixed white	Tub'lar lantern.	.....	.....
655		Piney Point Post-Light, No. 36	On shoal off Piney Point, W. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
656		Buckley Bluff Post Light, No. 27.	On point of shoal off Buckley Bluff, E. side of channel.	.....	Fixed white.....	Tub'lar lantern.	.....	.....
657		Orange Park Post-Light, No. 38.	West side of channel, about ⅛ mile above Orange Park Landing.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
658		Ragged Point Post-Light, No. 40.	On point of shoal making out from Ragged Point.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
659		Hibernia Post-Light, No. 44....	On point of shoal off Hibernia, W. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
660		Switzerland Point Post-Light, No. 31.	Off Switzerland Point, E. side of channel.	.....	Fixed white	Tub'lar lantern.	.....	.....
661		Popo Point Post-Light, No. 33	On point of shoal off Popo Point, NE. side of channel.	.....	Fixed white	Tub'lar lantern.	.....	.....
662		Magnolia Point Post-Light, No. 46.	On point of shoal off Magnolia Point, W. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
663		Green Cove Springs Post-Light, No. 50.	On N. side of entrance to Green Cove Springs, SW. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
664		Old Field Point Post-Light, No. 52.	On point of shoal off Old Field Point, SW. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
665		San Patricio Point Post-Light, No. 35.	On point of shoal off San Patricio Point, NW. side of channel.	.....	Fixed white	Tub'lar lantern.	.....	.....
666		Bayard Point Post-Light, No. 56.	On point of shoal off Bayard Point, W. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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FLORIDA. SIXTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
642	Cluster of three piles with black day-mark.	.....	1884	1889	.....	
643	Cluster of three piles with red day-mark.	.....	1884	1889	.....	
644	Cluster of three piles with black day-mark.	.....	1884	1889	.....	
645	Black four-pile pyramidal structure, latticed from water to top.	.....	1884	.....	.....	
646	Cluster of three piles with red day-mark.	.....	1886	.....	.....	
647	Cluster of three piles with red day-mark.	.....	1884	1889	.....	
648	Cluster of three piles with black day-mark.	.....	1884	.....	.....	
649	Cluster of three piles with red day-mark.	.....	1884	1889	.....	
650	Cluster of three piles with black day-mark.	.....	1884	1889	.....	Lights 8 feet apart horizontally.
651	Cluster of three piles with red day-mark.	.....	1891	.....	.....	
652	Cluster of three piles with red day-mark.	.....	1884	1889	.....	The red and white lights indicate that either channel may be used.
653	Triangular, with day-mark	.....	1892	.....	.....	
654	Cluster of three piles with black day-mark.	.....	1889	.....	.....	
655	Cluster of three piles with red day-mark.	.....	1884	.....	.....	
656	Cluster of three piles with black day-mark.	.....	1884	1889	.....	
657	Cluster of three piles with red day-mark.	.....	1884	.....	.....	
658	Cluster of three piles with red day-mark.	.....	1884	.....	.....	
659	Cluster of three piles with red day-mark.	.....	1884	.....	.....	
660	Cluster of three piles with black day-mark.	.....	1889	.....	.....	
661	Cluster of three piles with black day-mark.	.....	1886	.....	.....	
662	Cluster of three piles with red day-mark.	.....	1884	.....	.....	
663	Cluster of three piles with red day-mark.	.....	1884	.....	.....	
664	Cluster of three piles with red day-mark.	.....	1884	.....	.....	
665	Cluster of three piles with black day-mark.	.....	1884	.....	.....	
666	Cluster of three piles with red day-mark.	.....	1884	.....	.....	

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SIXTH DISTRICT. FLORIDA.

Number.		Name.	Location.	Latitude, north, Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
				° ′ ″				
667	St. Johns River.	Picolata Flat Post-Light, No. 37.	On W. point of Picolata Flat, E. side of channel.	.....	Fixed white	Tub'lar lantern.	.....	.....
668		Orange Point Post-Light, No. 39.	On point of shoal off Orange Point, E. side of channel.	.....	Fixed white	Tub'lar lantern.	.....	.....
669		Tocoi Post-Light, No. 41	South side of entrance to Tocoi Landing.	.....	Fixed white	Tub'lar lantern.	.....	.....
670		Racy Point Post-Light, No. 43.	Off Racy Point, on E. side of channel ...	.....	Fixed white	Tub'lar lantern.	.....	.....
671		Nine-Mile Point Post-Light, No. 58.	On shoal off Nine-Mile Point, on W. side of channel.	.....	Fixed red.....	Tub'lar lantern	.....	.....
672		Federal Point Post-Light, No. 45.	On Federal Point, E. side of channel...	.....	Fixed white	Tub'lar lantern.	.....	.....
673		Nine-Mile Flat Post-Light, No. 60.	East side of Nine-Mile Flat, W. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
674		Dancey Point Post-Light, No. 49.	At Dancey Point, S. side of channel	.....	Fixed white	Tub'lar lantern.	.....	.....
675		Whetstone Point Post-Light, No. 66.	Off Whetstone Point, N. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
676		Dancey Flat Post-Light, No. 51.	On W. end of Dancey Flat, S. side of channel.	.....	Fixed white	Tub'lar lantern.	.....	.....
677		Forrester Point Post-Light, No. 53.	On point of shoal above Forrester Point, E. side of channel.	.....	Fixed white	Tub'lar lantern.	.....	.....
678		Lower Palatka Post-Light, No. 68.	On point of shoal off Palatka Point, W. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
679		Upper Palatka Post-Light, No. 70.	In bend of channel above Palatka, on SW. side.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
680		Devils Elbow Post-Light, No. 72.	Above Devils Elbow, on S. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
681		Rawlestown Post-Light, No. 74.	On shoal off Rawlestown, W. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
682		San Mateo Post-Light, No. 76.	Off San Mateo, W. side of channel.....	.....	Fixed red.....	Tub'lar lantern.	.....	.....
683		Edgewater Grove Post-Light, No. 55.	Off Edgewater Grove, E. side of channel.	.....	Fixed white	Tub'lar lantern.	.....	.....
684		Crescent Lake Post-Light, No. 78.	Off entrance to Dunn or Crescent Lake, W. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
685		Horseshoe Post-Light, No. 80	In the Horseshoe, W. side of channel...	.....	Fixed red.....	Tub'lar lantern.	.....	.....
686		Murphy Island Post-Light, No. 57.	On shoal off Murphy Island, E. side of channel.	.....	Fixed white	Tub'lar lantern.	.....	.....
687		Murphy Island South Post-Light, No. 59.	At Murphy Island, E. side of channel ..	.....	Fixed white	Tub'lar lantern.	.....	.....
688		Buckalew Bluff Post-Light, No. 82.	On shoal opposite Buckalew Bluff, W. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
689		Rose Creek Post-Light, No. 61	On shoal off Rose Creek, E. side of channel.	.....	Fixed white	Tub'lar lantern.	.....	.....
690		Horse Landing Post-Light, No. 63.	On shoal opposite Horse Landing, E. side of channel.	.....	Fixed white	Tub'lar lantern.	.....	.....
691		Nashua Post-Light, No. 84....	On shoal off Welaka Springs, W. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
692		Ocklawaha Post-Light, No. 86.	On shoal off mouth of Ocklawaha River, W. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
693		Beecher Point Shoal Post-Light, No. 88.	At lower end of Little Lake George....	.....	Fixed red.....	Tub'lar lantern.	12	.....

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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FLORIDA. SIXTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
667	Cluster of three piles with black day-mark.	.....	1884	.....	.....	
668	Cluster of three piles with black day-mark.	.....	1884	.....	.....	
669	Cluster of three piles with black day-mark.	.....	1884	.....	.....	
670	Cluster of three piles with black day-mark.	.....	1884	.....	.....	
671	Cluster of three piles with red day-mark.	.....	1884	.....	.....	
672	Cluster of three piles with black day-mark.	.....	1884	.....	.....	
673	Cluster of three piles with red day-mark.	.....	1891	.....	.....	
674	Cluster of three piles with black day-mark.	.....	1884	.....	.....	
675	Cluster of three piles with red day-mark.	.....	1885	.....	.....	
676	Cluster of three piles with black day-mark.	.....	1884	.....	.....	
677	Cluster of three piles with black day-mark.	.....	1884	.....	.....	
678	Cluster of three piles with red day-mark.	.....	1884	.....	.....	
679	Cluster of three piles with red day-mark.	.....	1884	.....	.....	
680	Cluster of three piles with red day-mark.	.....	1884	.....	.....	
681	Cluster of three piles with red day-mark.	.....	1889	.....	.....	
682	Cluster of three piles with red day-mark.	.....	1889	.....	.....	
683	Cluster of three piles with black day-mark.	.....	1891	.....	.....	
684	Cluster of three piles with red day-mark.	.....	1889	.....	.....	
685	Cluster of three piles with red day-mark.	.....	1889	.....	.....	
686	Cluster of three piles with black day-mark.	.....	1889	.....	.....	
687	Cluster of three piles with black day-mark.	.....	1891	.....	.....	
688	Cluster of three piles with red day-mark.	.....	1891	.....	.....	
689	Cluster of three piles with black day-mark.	.....	1889	.....	.....	
690	Cluster of three piles with black day-mark.	.....	1891	.....	.....	
691	Cluster of three piles with red day-mark.	.....	1889	.....	.....	
692	Cluster of three piles with red day-mark.	.....	1889	.....	.....	
693	Cluster of three piles with red day-mark.	.....	1888	.....	.....	

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SIXTH DISTRICT. FLORIDA.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
				° ′ ″				
694	St. Johns River.	Orange Point Shoal Post-Light, No. 65.	Middle of Little Lake George	.....	Fixed white	Tub'lar lantern.	12	.....
695		Norwalk Point Shoal Post-Light, No. 67.	Upper end of Little Lake George	.....	Fixed white	Tub'lar lantern.	12	.....
696		Norwalk Post-Light, No. 90	On shoal off Norwalk, W. side of channel.	.....	Fixed red	Tub'lar lantern.	.....	.....
697		Mount Royal Post-Light, No. 92.	On shoal off Mount Royal, W. side of channel.	.....	Fixed red	Tub'lar lantern.	.....	.....
698		Fort Gates Post-Light, No. 69.	On shoal opposite Fort Gates, E. side of channel.	.....	Fixed white	Tub'lar lantern.	.....	.....
699		Black Point Post-Light, No. 94.	On shoal off Black Point, W. side of channel.	.....	Fixed red	Tub'lar lantern.	....	..
700		Georgetown Post-Light, No. 96.	On shoal off Georgetown, W. side of channel.	.....	Fixed red	Tub'lar lantern.	.....	.....
701		North end of Lake George Post-Light, No. 98.	Off NE. side of Drayton Island, on edge of channel in Lake George.	.....	Fixed white	Lens lantern.	40	.....
702		Volusia Bar	On Volusia Bar, S. end of Lake George	.....	Fixed white	5	34	11
703		Range. Volusia Bar (front) Post-Light, No. 100.	About 650 feet apart, on southerly prolongation of axis of channel across Volusia Bar.	.....	Fixed red	Tub'lar lantern.	....	...
704		Range. Volusia Bar (rear) Post-Light, No. 102.		.....	Fixed red	Tub'lar lantern.	.....	.....
705		Volusia Point Shoal Post-Light, No. 71.	On point of shoal above Volusia Bar, E. side of channel.	.....	Fixed white	Tub'lar lantern.	12	.....
706		Volusia South Post-Light, No. 73.	On shoal near S. entrance to Lake George, E. side of channel.	.....	Fixed white	Tub'lar lantern.	.....	.....
707		Orange Bluff Post-Light, No. 104.	On shoal off Orange Bluff, W. side of channel.	.....	Fixed red	Tub'lar lantern.	.....	.....
708		Orange Bluff Shoal Post-Light, No. 75.	On point of shoal above Orange Bluff, E. side of channel.	.....	Fixed white	Tub'lar lantern.	12	.....
709		Lake Dexter Post-Light, No. 106.	At entrance to Lake Dexter, W. side of channel.	.....	Fixed red	Tub'lar lantern.	12	..
710		Mud Lake Point Post-Light, No. 77.	Opposite entrance to Mud Lake	.....	Fixed white	Tub'lar lantern.	12	.....
711		Lake Beresford Post-Light, No. 108.	At entrance to Lake Beresford	.....	Fixed white	Tub'lar lantern.	.....	.....
712		Lake Monroe Post-Light, No. 79.	On shoal at N. entrance to Lake Monroe, E. side of channel.	.....	Fixed white	Tub'lar lantern.	.....	.....
713		ST. AUGUSTINE	On N. end of Anastasia Island, S. side of entrance to St. Augustine, Fla.	29 53 07 81 17 12	Fixed white, varied by a white flash every 3 minutes.	1	161	18
714		MOSQUITO INLET	About 1 mile to northward of entrance to Mosquito Inlet, Fla.	29 04 (49) 80 55 (33)	Fixed white	1	159	18
715		CAPE CANAVERAL (*see Remarks*).	On NE. pitch of Cape Canaveral, Fla.	28 27 (38) 80 31 (31)	Flashing white every 10 sec.	4	57	13

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
694	Cluster of three piles with black day-mark.	.....	1888	.....	.....	
695	Cluster of three piles with black day-mark.	.....	1888	.....	.....	
696	Cluster of three piles with red day-mark.	.....	1889	.....	.....	
697	Cluster of three piles with red day-mark.	.....	1889	.....	.....	
698	Cluster of three piles with black day-mark.	.....	1891	.....	.....	
699	Cluster of three piles with red day-mark.	.....	1889	.....	.....	
700	Cluster of three piles with red day-mark.	.....	1891	.....	.....	
701	Square white four-pile structure.....	.....	1890	.....	.....	
702	Square white dwelling on piles; piles and roof, brown; blinds, green; lantern, black.	.....	1886	.....	Bell struck by machinery every 10 sec.	
703	Single pile with red day-mark	.....	1886	.....	.....	Guide through channel across Volusia Bar.
704	Single pile with red day-mark	....	1886	.....	.....	
705	Single pile with black day-mark.....	.....	1886	.....	.....	
706	Cluster of three piles with black day-mark.	.....	1889	.....	.....	
707	Cluster of three piles with red day-mark.	.....	1889	....	.....	
708	Cluster of three piles with black day-mark.	.....	1888	....	.....	
709	Cluster of three piles with red day-mark.	.....	1888	.....	.....	
710	Cluster of three piles with black day-mark.	.....	1888	.....	.....	
711	Cluster of three piles with red day-mark.	.....	1893	.....	.....	
712	Cluster of three piles with black day-mark.	....	1889	...	.....	
713	Conical tower; foundation, white, with black cornice; shaft, colored with black and white spiral bands; below lantern deck, black; above, red; dwelling, white.	150	1823	1874	.....	St. Johns River Light, N. by W. ½ W., 32 miles.
714	Conical tower of red brick, natural color, surmounted by black lantern.	152	1887	.....	.....	St. Augustine Light, NNW., 52 miles; Cape Canaveral Light, SSE. ½ E., 41 miles.
715	Square, black, pyramidal skeleton structure.	55	1847	1893	.....	There are dangerous shoals off this light. Hetzel Shoal, NNE. ½ E., 11½ miles; Ohio Shoal, NE. ½ N., 11½ miles; Ohio Shoal Whistling Buoy to the eastward of these shoals in about 9 fathoms of water. Bull Shoal, NE. ½ E., 6½ miles; extremity of shoal from cape, 6½ miles. *Temporary light, to remain during removal and rerection of the old tower about 1 mile to the westward.*

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SIXTH DISTRICT. FLORIDA.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
				° ′ ″				
716	INDIAN RIVER.	Sand Point Post-Light, No. 2	In about 6 feet of water, off Sand Point, just N. of Titusville.	.....	Fixed red.	Tub'lar lantern.	12	.....
717		Addison Point Post-Light, No. 4.	In about 6 feet of water, off Addison Point.	.....	Fixed red.	Tub'lar lantern.	12	.....
718		Jones Point Post-Light, No. 6.	In about 6 feet of water, off Jones Point.	.....	Fixed red.	Tub'lar lantern.	12	.....
719		Magnolia Point Post-Light, No. 8.	In about 6 feet of water, off Magnolia Point.	.....	Fixed red.	Tub'lar lantern.	12	.....
720		Cleveland Post-Light, No. 1	In about 7 feet of water, off Cleveland.	.....	Fixed white	Tub'lar lantern.	12	.....
721		Cape Cod Post-Light, No. 3	In about 7 feet of water, off Cape Cod.	.....	Fixed white	Tub'lar lantern.	12	.....
722		Eau Gallie Post-Light, No. 12	In about 7 feet of water, about 1½ miles N. of Eau Gallie.	.....	Fixed red.	Tub'lar lantern.	12	.....
723		Fisherman Point Post-Light, No. 7.	In about 7 feet of water, opposite Melbourne, off Fisherman Point.	.....	Fixed white	Tub'lar lantern.	12	.....
724		Cape Malabar Post-Light, No. 14.	In about 6 feet of water, off Cape Malabar.	.....	Fixed red.	Tub'lar lantern.	12	.....
725		Grant Farm Post-Light, No. 9	In about 9 feet of water, about 1½ miles S. of Rock Point.	.....	Fixed white	Tub'lar lantern.	12	.....
726		Grant Farm (lower) Post-Light, No. 9½.	In about 5½ feet of water, ¼ mile to northward and westward of Grant Farm.	.....	Fixed white	Tub'lar lantern.	.....	.....
727		Grant Farm (upper) Post-Light, No. 9½.	In about 5½ feet of water, about ¼ mile to southward of Grant Farm.	.....	Fixed white	Tub'lar lantern.	.....	.....
728		Grant Farm (upper) Post Light, No. 9½.	In about 5½ feet of water, off S. end of Grant Farm.	.....	Fixed white	Tub'lar lantern.	.....	.....
729		Micco Post-Light, No. 16	In about 6 feet of water, about 1½ miles to northward of mouth of Sebastian Creek.	.....	Fixed red.	Tub'lar lantern.	12	.....
730		Orchid Post-Light, No. 11	In about 8 feet of water, off Duck Point.	.....	Fixed white	Tub'lar lantern.	12	.....
731		Houston Post-Light, No. 18	In about 6 feet of water, about 1½ miles S. of Houston.	.....	Fixed red.	Tub'lar lantern.	12	.....
732		Bethel Post-Light, No. 13	In about 3 feet of water, about 1 mile S. of Bethel Creek.	.....	Fixed white	Tub'lar lantern.	12	.....
733		Indian River Narrows (lower) Post-Light, No. 15.	In about 6 feet of water at Indian River Narrows, about 1½ miles N. of Crawford Point.	.....	Fixed white	Tub'lar lantern.	.....	.....
734		Indian River Narrows (upper) Post-Light, No. 20.	In about 6 feet of water at the S. end of Indian River Narrows, about 1½ miles N. of Crawford Point.	.....	Fixed red.	Tub'lar lantern.	.....	.....
735		Crawford Point Post-Light, No. 15½.	In about 6 feet of water, opposite Crawford Point.	.....	Fixed white	Tub'lar lantern.	.....	.....
736		Bradley Reserve Post-Light, No. 17.	In about 6 feet of water, off Bradley Reserve, opposite Blue Hole Creek.	.....	Fixed white	Tub'lar lantern.	12	.....
737		Garfield Post-Light, No. 22	In about 5 feet of water, opposite Jack Island, about 1½ miles S. of Garfield Point.	.....	Fixed red.	Tub'lar lantern.	12	.....
738		Taylor Creek Post-Light, No. 22½.	In about 6 feet of water, opposite mouth of Taylor Creek.	.....	Fixed red.	Tub'lar lantern.	.....	.....
739		Ankony Post-Light, No. 19	In about 6 feet of water, opposite Ankony.	.....	Fixed white	Tub'lar lantern.	12	.....
740		St. Lucie Post-Light, No. 21	In about 8 feet of water, opposite mouth of St. Lucie River.	.....	Fixed white	Tub'lar lantern.	12	.....
741		North Narrows Post-Light, No. 24.	In about 6 feet of water, at N. end of North Jupiter Narrows.	.....	Fixed red.	Tub'lar lantern.	12	.....
742		Peck Lake, North, Post-Light, No. 26.	In about 5 feet of water, at N. end of Peck Lake.	.....	Fixed red.	Tub'lar lantern.	12	.....
743		Peck Lake, South, Post-Light, No. 28.	In about 6 feet of water, at S. end of Peck Lake.	.....	Fixed red.	Tub'lar lantern.	12	.....

NOTE—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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FLORIDA. SIXTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
716	Cluster of three piles with red day-mark.	.....	1889	.....	.....	
717	Cluster of three piles with red day-mark.	....	1889	.....	.....	
718	Cluster of three piles with red day-mark.	...	1889	....	.....	
719	Cluster of three piles with red day-mark.	.....	1889	.....	.....	
720	Cluster of three piles with black day-mark.	.....	1889	.....	.....	
721	Cluster of three piles with black day-mark.	....	1889	.....	.....	
722	Cluster of three piles with red day-mark.	.....	1889	.....	.....	
723	Cluster of three piles with black day-mark.	...	1889	.....	.....	
724	Cluster of three piles with red day-mark.	...	1889	.....	.....	
725	Cluster of three piles with black day-mark.	.....	1889	....	.....	
726	Cluster of three piles with black day-mark.	.....	1893	.....	.....	
727	Cluster of three piles with black day-mark.	.....	1893	.....	.....	
728	Cluster of three piles with black day-mark.	.....	1891	.....	.....	
729	Cluster of three piles with red day-mark.	.....	1889	.....	.....	
730	Cluster of three piles with black day-mark.	.....	1889	.....	.....	
731	Cluster of three piles with red day-mark.	.....	1889	.....	.....	
732	Cluster of three piles with black day-mark.	....	1889	.....	.....	
733	Cluster of three piles with black day-mark.	.....	1893	.....	.....	
734	Cluster of three piles with red day-mark.	.....	1893	.....	.....	
735	Cluster of three piles with black day-mark.	.....	1891	.....	.....	
736	Cluster of three piles with black day-mark.	.....	1889	.....	.....	
737	Cluster of three piles with red day-mark.	.....	1889	.....	.....	
738	Cluster of three piles with red day-mark.	.....	1891	.....	.....	
739	Cluster of three piles with black day-mark.	.....	1889	.....	.....	
740	Cluster of three piles with black day-mark.	.....	1889	.....	.....	
741	Cluster of three piles with red day-mark.	.....	1889	.....	.....	
742	Cluster of three piles with red day-mark.	.....	1889	.....	.....	
743	Cluster of three piles with red day-mark.	.....	1889	.....	.....	

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SIXTH DISTRICT. FLORIDA.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
				° ′ ″				
744	INDIAN RIVER.	South Narrows Post-Light, No. 32.	In about 5 feet of water, at S. entrance to South Jupiter Narrows.	.....	Fixed red.....	Tub'lar lantern.	12	.....
745		Tahiti Post-Light, No. 34.....	At the S. end of the canal in Hobe Sound opposite Tahiti.	.....	Fixed red.....	Tub'lar lantern.	10	.....
746		Conch Bar Post-Light, No. 36.	In about 6 feet of water, at N. end of Jupiter Sound.	.....	Fixed red.....	Tub'lar lantern.	12	.....
747		Hell Gate Post-Light, No. 38..	In about 6 feet of water, midway of Jupiter Sound.	.....	Fixed red.....	Tub'lar lantern	12	.....
748		Ash-Pan Shoals Post-Light, No. 23.	In about 3 feet of water, at S. end of Jupiter Sound.	.....	Fixed white	Tub'lar lantern	12	.....
749		JUPITER INLET.....	North side of Jupiter Inlet.....	26 56 54 80 04 48	Fixed white, varied by a white flash every 90 sec.	1	146	18½

SEVENTH DISTRICT. FLORIDA.

750	FLORIDA REEFS.	FOWEY ROCKS.....	In about 8 feet of water, on Fowey Rocks, northern extremity of Florida Reefs.	25 35 (24) 80 05 (47)	Fixed white, from S. ¾ W. through eastward to N. ¼ W.; from N. by E. ¾ E. through southwestward to E. ¼ N., and from E. ¾ S. through northwestward to S. ¼ E.; fixed red throughout the intervening sectors.	1	110½	16½
751		CARYSFORT REEF.....	In about 2 feet of water, on Carysfort Reef, close to seaward edge, near edge of the Gulf Stream.	25 13 (17) 80 12 (40)	Flashing white, from SSW. ½ W. through eastward and southward to NNE. ½ E.; from NE. ½ E. through southwestward to E. ½ N., and from SE. ½ S. to S. ½ W.; flashing red throughout the intervening sectors; interval between flashes, 30 sec.	1	100	15½
752		ALLIGATOR REEF.....	In 5 feet of water, on NE. point of Alligator Reef, and within ¼ mile of deep water.	24 51 (02) 80 37 (08)	Flashing white and red; every third flash red, from SW. by W. ½ W. through southward to NE. ½ E., and from NE. by E. ¾ E. through northward to SW. ¾ S.; flashing red throughout the intervening sectors; interval between flashes, 5 sec.	1	135½	18

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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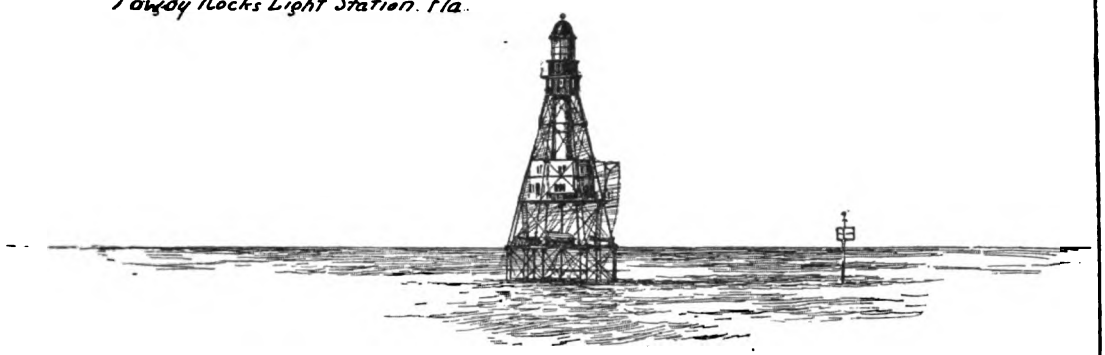
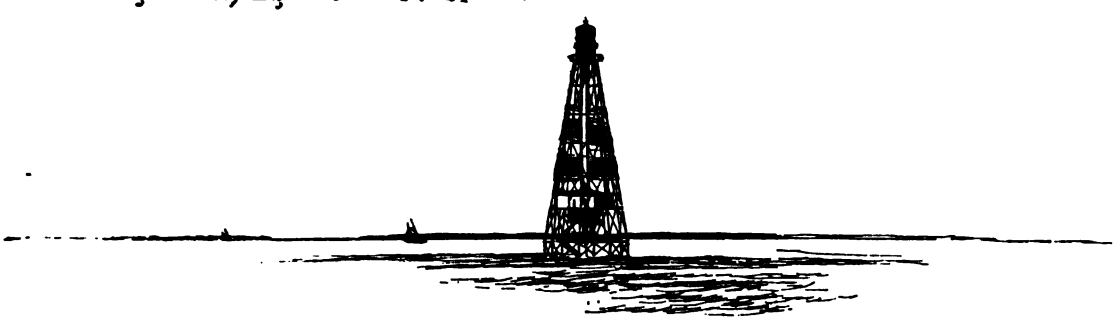
Fowey Rocks Light Station. Fla.

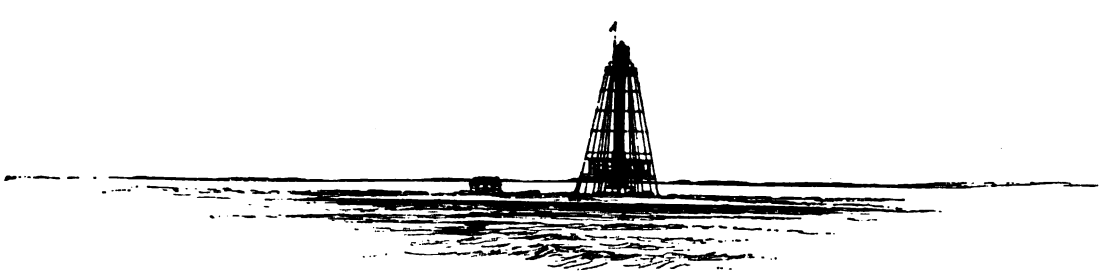


Alligator Reef Light Station Fla.



Sombrero Key Light Station Fla.

Sand Key Light Station Fla.



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FLORIDA. SIXTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
744	Cluster of three piles with red day-mark.	.....	1889	.....	.....	
745	Cluster of three piles with red day-mark.	.....	1892	.....	.....	
746	Cluster of three piles with red day-mark.	.....	1889	.....	.....	
747	Cluster of three piles with red day-mark.	.....	1889	.....	.....	
748	Cluster of three piles with black day-mark.	.....	1889	.....	.....	
749	Tower of red brick, natural color; oil room near tower. One-and-a-half story stone dwelling and two-story white dwelling.	94	1860	.....	.....	There is a signal-display station on the light-house reservation.

FLORIDA. SEVENTH DISTRICT.

750	Dark brown pyramidal framework, on pile foundation, inclosing white dwelling and cylindrical stairway to black lantern; window blinds, green.	.....	1878	.....	.....	Deep water within 300 yards to the eastward. Fowey Rocks Beacon P, N., 150 feet; Carysfort Reef Light, S. by W., 23 miles. The westerly edge of the northerly red sector passes just to seaward of Biscayne Shoal Buoy (red) and cuts North End of Florida Reefs ("CAPE FLORIDA") Buoy (red), and its easterly edge guides clear, to the eastward, of the shoal spots lying from 1¼ to 3½ miles to the northward of the light. The easterly edge of the southerly red sector guides clear, to the eastward, of the reefs lying more than 1½ miles to the southward of the light, and its westerly edge cuts Old Rhodes Bank Buoy (red, No. 8), in Hawk Channel. The southerly edge of the westerly red sector cuts Coral Bunches Buoy (black), No. 1, Cape Florida Channel, and its northerly edge cuts Fowey Rocks Buoy (black), No. 1, Hawk Channel.
751	Dark brown pyramidal framework, on pile foundation, inclosing low cylindrical dwelling and stairway to black lantern.	.....	1852	.....	.....	Vessels passing to seaward of this station should give it a wide berth, owing to the strong currents. Alligator Reef Light, SW. ¼ S., 31¼ miles. The westerly edge of the northerly red sector cuts Turtle Harbor Entrance Buoy (black and white perpendicular stripes), and intersects the westerly edge of the southerly red sector of Fowey Rocks Light to the eastward of Old Rhodes Bank Buoy (red), No. 8, Hawk Channel, and its easterly edge intersects the easterly edge of the southerly red sector of Fowey Rocks Light, about 1¾ miles eastward of Ajax Reef Beacon M, and cuts "Turtle Harbor" Sea Buoy (red). The easterly edge of the southwesterly red sector passes about ⅜ mile to the eastward of Elbow Reef Beacon J, and its northwesterly edge cuts Four-Foot Shoal (Mosquito Bank) Buoy (black), No. 7, Hawk Channel. The southerly edge of the northwesterly red sector cuts Basin Hill (Mid-Channel) Buoy (black and white perpendicular stripes), Hawk Channel, and its northeasterly edge cuts the black and white perpendicular striped buoy in Hawk Channel off Key Largo.
752	White pyramidal framework, on black pile foundation, inclosing square dwelling and cylindrical stairway to black lantern.	.....	1873	.....	.....	The northwesterly edge of the northeasterly red sector cuts West End of Triangle (Pork Barrel) Buoy (black) No. 9, Hawk Channel, and its southeasterly edge passes about 1¾ miles to southward and eastward of Conch Reef Beacon E, and about 1 mile to the southward and eastward of Crocker Reef Beacon D. The southeasterly edge of the southwesterly red sector passes about 1¼ miles southeasterly of Tennessee Reef Beacon No. 7, and its northerly edge cuts Duck Key Buoy (black and white perpendicular stripes). Sombrero Key Light, SW. by W. ⅜ W., 30 miles.

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SEVENTH DISTRICT. FLORIDA.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
				° ′ ″				
753	FLORIDA REEFS.	SOMBRERO KEY.....	In 5 feet of water, on Sombrero Shoal, and within ¼ mile of deep water.	24 37 (36) 81 06 (40)	Fixed white, from SW. ¼ S. to SW. by W.; from WSW. ⅝ W. through southward to ENE., and from E. ¼ S. through northwestward to S. by E. ⅝ E.; fixed red throughout the intervening sectors	1	142	18
754		AMERICAN SHOAL.....	In 5 feet of water, on American Shoal, and within ¼ mile of deep water.	24 31 (24) 81 31 (13)	Flashing white, from W. ¼ S. through southward to NE. by E. ⅝ E.; from E. ¼ N. to ESE., and from SE. ⅝ E. through northward to SW. by W. ¼ W.; flashing red throughout the intervening sectors; interval between flashes, 5 sec.	1	109	16½
755		SAND KEY.....	In the center of Sand Key, a small island of sand and shells, within 350 yards of deep water; about 7 miles from Key West.	24 27 10 81 52 40	Fixed white for 1 minute, varied in next minute by a white flash of 10 seconds' duration, preceded and followed by partial eclipses of 25 seconds from S. by W. ⅝ W. to SW. ¼ W.; from W. ⅝ S. through southward to ENE. ¼ E.; from E. ¼ N. to SE. by E. ¼ E., and from SE ⅝ E. to S. ¼ W.; fixed red for 1 minute, varied in the next minute by a red flash of 10 seconds' duration, preceded and followed by partial eclipses of 25 seconds throughout the intervening sectors.	1	109	16½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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FLORIDA. SEVENTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
753	Brown pyramidal framework, on pile foundation, inclosing square dwelling and cylindrical stairway to black lantern.	.....	1857	.....	.....	American Shoal Light, WSW ¾ W., 23¼ miles. The westerly edge of the northerly red sector marks the easterly side of the channel into Knights Key Anchorage and its southeasterly edge cuts East Washerwoman Shoal (Pea Patch) Buoy (red and black horizontal stripes). The northwesterly edge of the easterly red sector cuts Duck Key Buoy (black and white perpendicular stripes), Hawk Channel, and intersects the northwesterly edge of the southwesterly red sector of Alligator Reef Light at the same buoy; its southerly edge passes nearly 1⅛ miles to southward of Coffins Patches Beacon C, and is tangent to the 12-foot curve of Delta Shoal on its S. side. The southerly edge of the westerly red sector passes about 1 mile to the southward of Looe Key Beacon 6; its northerly edge cuts Bahia Honda Key Shoal Buoy (red) No. 2, entrance to Bahia Honda Harbor from Hawk Channel.
754	Dark brown pyramidal framework, on pile foundation, inclosing dwelling and white stair cylinder to black lantern.	.....	1880		.....	Beacon B, about 200 feet SE.; Sand Key Light, WSW. ¾ W., 20 miles. The northerly edge of the easterly red sector cuts Bahia Honda Key Shoal Buoy (red) No. 2, and intersects with the northerly edge of the westerly red sector of Sombrero Key Light at the same buoy; its southerly edge passes about ⅝ mile to the southward of Looe Key Beacon 6, and intersects the southerly edge of the westerly red sector of Sombrero Key Light about 2 miles easterly of Looe Key Beacon 6. The southerly edge of the westerly red sector passes to the southward of Maryland Shoal, about 1½ and 2½ miles, respectively, to the southward of Eastern Sambo Beacon A and Ship-Channel Shoal Beacon 5, and its northerly edge cuts Hawk Channel Turn Buoy (black and white perpendicular stripes). The southwesterly edge of the northwesterly red sector cuts West Washerwoman Shoal Buoy (black) No. 17, and its northeasterly edge cuts Four-Foot Shoal (Delaware Heads) Buoy (black) No. 15, both buoys in Hawk Channel.
755	Brown pyramidal framework, on pile foundation, inclosing square dwelling and cylindrical stairway to black lantern.	.....	1853	.....	.....	The westerly edge of the northerly red sector intersects the southwesterly edge of the northwesterly red sector of Key West Light at Northwest Middle Ground (west end) Buoy (black), No. 7, Northwest Channel into Key West, and its easterly edge intersects the northeasterly edge of the southeasterly red sector of Northwest Passage Light at Inner Mid-Channel Buoy (black and white perpendicular stripes), Northwest Channel. The easterly red sector covers the space between the outer edge of reefs and about ¼ mile to the northward of Red Buoy No. 2 in Main Ship-Channel. The light appears red about ⅜ mile before passing the Outer Main-Channel Buoy until just before the three buoys at the turn of the Main Ship-Channel are reached. The southerly edge of this sector passes about 1⅜ miles south of Beacon A on Eastern Sambo. The northerly edge of the westerly red sector passes about ⅛ mile to the southward of Satan Shoal Buoy (red and black horizontal stripes), and nearly ¼ mile to the southward of Vestal Shoal Buoy (black), No. 1, marking the entrance to Southwest Channel into Key West. The southerly edge of the northwesterly red sector intersects the northerly edge of the southwesterly red sector of Key West Light at Entrance to West Channel Buoy (black and white perpendicular stripes), West Channel into Key West, and its northeasterly edge intersects the southeasterly edge of the southwesterly red sector of Key West Light at Parsonage Shoal Buoy (red and black horizontal stripes), marking the foul ground in Southwest Channel into Key West. Key West Light, NNE. ⅜ E., 7⅛ miles; Rebecca Shoal Light, W. ⅛ N., 39¼ miles.

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SEVENTH DISTRICT. FLORIDA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
	KEY WEST HARBOR.		° ′ ″				
756	KEY WEST	On southern edge of town, Key West Island.	24 32 58 81 48 04	Fixed white, from N. ¼ W. through southwestward to NE. ½ E.; from NE. by E. ½ E. through westward to SE. ½ E., and from SE. ¼ S. through the northward and eastward to NW. ¼ N.; fixed red throughout the intervening sectors.	3	70½	14
757	Northwest Passage	On flats to mark channel of bar leading to Northwest Channel.	24 37 (04) 81 53 (58)	Fixed white, from S. by W. ⅜ W. through northeastward to NW. ⅜ W., and from NNW. ⅜ W. through southward and westward to S. by W.; fixed red throughout the intervening sectors.	4	47	12½
758	Rebecca Shoal	In 12 feet of water on SE. edge of Rebecca Shoal.	24 35 (03) 82 35 (07)	Flashing alternately red and white, excepting from WSW. ¼ W. southward to NW. by W. ¼ W. in which sector every flash is red; interval between flashes, 5 sec.	4	66	13½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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FLORIDA. SEVENTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks
756	White tower and black lantern; detached white dwelling, with green blinds.	60	1847	.....	.....	Guide to Key West through the different channels across the reefs, and also inside of the reefs. The northeasterly edge of the southeasterly red sector intersects the northerly edge of the westerly red sector of American Shoal Light, the northwesterly edge of the easterly red sector of Sand Key Light, and the northeasterly edge of the southeasterly red sector of Northwest Passage Light, at Hawk Channel Turn Buoy (black and white perpendicular stripes), and marks the axis of the Southeast Channel into Key West Harbor from outside the line of reefs to Hawk Channel Turn Buoy; the westerly edge cuts Main Ship-Channel Entrance Bar Buoy (black and white perpendicular stripes), Main Ship-Channel into Key West Harbor. The southeasterly edge of the southwesterly red sector intersects the northeasterly edge of the northwesterly red sector of Sand Key Light at Parsonage Shoal Buoy (red and black horizontal stripes), and marks the axis of the Southwest Channel into Key West Harbor from outside the line of reefs to a point about 2 miles inside of Parsonage Shoal Buoy; the northwesterly edge of the sector intersects the southwesterly edge of the northwesterly red sector of Sand Key Light at Entrance to West Channel Buoy (black and white perpendicular stripes), West Channel into Key West Harbor. The southwesterly edge of the northwesterly red sector cuts South End of Spit Buoy (black), No. 5, and Middle Mid-Channel Buoy (black and white perpendicular stripes), and intersects the westerly edge of the northerly red sector of Sand Key Light at a point about $\frac{1}{12}$ mile to the southward of Northwest Middle Ground (west end) Buoy (black), No. 9, each of these buoys in Northwest Channel into Key West Harbor; the northeasterly edge of the sector cuts Entrance to Northwest Channel Bell Buoy (black and white perpendicular stripes), covered by the northerly red sector of Northwest Passage Light marking the best water across the bar at the entrance to the Northwest Channel into Key West Harbor.
757	White screw-pile structure; piles, red; lantern, black.	.....	1854	1879	.....	The northerly red sector indicates the position of Entrance to Northwest Channel Bell Buoy (black and white perpendicular stripes). The northeasterly edge of the southeasterly red sector intersects the northerly edge of the westerly red sector of American Shoal Light, the northeasterly edge of the southeasterly red sector of Key West Light, and the northwesterly edge of the easterly red sector of Sand Key Light at Hawk Channel Turn Buoy (black and white perpendicular stripes), and intersects the easterly edge of the northerly red sector of Sand Key Light at Inner Mid-Channel Buoy (black and white perpendicular stripes), Northwest Channel into Key West Harbor; the westerly edge of the sector cuts West Crawfish Key Bank Buoy (black) No. 7, Southwest Channel into Key West Harbor.
758	Square one-and-one-half story dwelling, surmounted by lantern, on iron pile foundation. Foundation, brown; dwelling, white, with green blinds; lantern, black.	.....	1886	.....	.....	Dry Tortugas Light, W. $\frac{1}{4}$ N., $18\frac{1}{2}$ miles. Vessels of any draft may pass within 1 mile of the light to the westward, but the channel to the eastward is not recommended. The light occupies the site of the former large day beacon. The red sector covers The Quicksands and the foul ground lying to the southward of Halfmoon Shoal. The northerly edge of the sector marks the middle of the channel between New Ground and Halfmoon Shoal, and its southerly edge passes to the southward of the foul ground to the southward of Halfmoon Shoal, and is tangent to the southerly side of Isaac Shoal, lying nearly 2 miles east-southeasterly of the light-station.

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SEVENTH DISTRICT. FLORIDA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
			° ′ ″				
759	DRY TORTUGAS	On Loggerhead Key, the westernmost key of Tortugas group.	24 38 04 82 55 42	Fixed white, with a fixed red sector from NE. by N. northward to ENE. ¼ E.	1	149½	18¼
760	Tortugas Harbor	On SE. bastion of Fort Jefferson, Garden Key, one of Tortugas group.	24 37 (46) 82 52 (50)	Fixed white from SW. to SW. ¾ W.; from W. ¼ N. through southward to NE. by E. ¾ E.; and from E. ¾ N. through northwestward to S.; fixed red throughout the intervening sectors.	4	67	13½
761	SANIBEL ISLAND	On E. end of Sanibel Island, near entrance to San Carlos Harbor and port of Punta Rasa.	26 27 11 82 00 53	Fixed white, varied by a white flash every 2 minutes.	3	98	15½
762	CHARLOTTE HARBOR. Range. Gasparilla Island	Near S. extremity of Gasparilla Island, N. side of the Boca Grande entrance to the harbor.	26 43 (04) 82 15 (40)	Fixed white, varied by a red flash every 20 sec.	3½	41	11½
763	CHARLOTTE HARBOR. Range. Gasparilla Island Beacon	About 475 feet SW. by W. from the preceding.	26 42 (59) 82 15 (46)	Fixed white	Lens lantern.	20	.....
764	CHARLOTTE HARBOR. Charlotte Harbor	In about 10 feet of water, 2½ miles SE. by E. ½ E. from Cape Haze, near the middle of the harbor.	26 45 (35) 82 06 (40)	Fixed red	5	36	8½
765	CHARLOTTE HARBOR. Mangrove Point Beacon	In about 15 feet of water, 1¾ miles SE. by S. from Mangrove Point, the point of division between Myacca River and Peace Creek.	26 53 (56) 82 07 (26)	Fixed white	Lens lantern.	15	...
766	CHARLOTTE HARBOR. Peace Creek Beacon	In about 13 feet of water, S. side of Peace Creek Channel, at the last turn.	26 55 (49) 82 06 (17)	Fixed red	Lens lantern.	13	.....
767	EGMONT KEY	On Egmont Key, entrance to Tampa Bay.	27 36 04 82 45 40	Fixed white, with a fixed red sector from NNE. ½ E. westward to E. ¼ S.	4	84½	14½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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FLORIDA. SEVENTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
759	Conical tower; lower half, white; upper half, lantern, and dome, black. Oil room near tower; dwelling a short distance to southward; both of yellow brick.	150	1858	.....	.....	Loggerhead Key is about ⅝ mile in length NE. and SW. and about 700 feet broad, covered by a low growth of bay, cedar, etc. Tortugas Harbor Light, E. ¼ S., 2⅝ miles. The southeasterly edge of the red sector intersects the southerly edge of the westerly red sector of Tortugas Harbor Light at a point about 3⅝ miles from Dry Tortugas Light, and guides vessels seeking shelter from northerly gales under the lee of Loggerhead Key; the northerly edge of the sector intersects the northerly edge of the westerly red sector of Tortugas Harbor Light at a point about 3⅝ miles from Dry Tortugas Light.
760	Brown, hexagonal tower; lantern, black.	25	1825	1876	.....	The westerly edge of the northerly red sector marks the line of best water for entering Tortugas Harbor from the northward to the Middle Ground (about 1½ miles from the light), on which it cuts Middle Ground Buoy (red and black horizontal stripes); its southeasterly edge passes nearly ¾ mile northwestward of Pulaski Shoal Buoy (red with "PULASKI" in white letters) and clears the northwesterly end of the shoal by about ⅛ mile. The northwesterly edge of the easterly red sector passes about ¼ mile southeastward of Pulaski Shoal Buoy and clears the shoal by about ⅛ mile; its southerly edge passes about ⅛ mile southerly of East side of Entrance Buoy (red) No. 2, entrance to Southeast Channel into Tortugas Harbor. The southerly edge of the westerly red sector intersects the southeasterly edge of the red sector of Dry Tortugas Light at a point about 3⅝ miles from the latter light, and its northerly edge intersects the northerly edge of the red sector of Dry Tortugas Light at a point about 3⅝ miles from the latter light.
761	Brown, skeleton tower and lantern. Two white dwellings near tower.	96	1884	.....	.....	Entrance buoy bears SE. ⅛ E., 3⅛ miles.
762	White, one-story frame dwelling, with green blinds and shingled roof, surmounted by a black lantern; brown pile foundation. A similar structure, without the lantern, stands about 70 feet NE. by E.	.....	1890	.....	.....	Range for entering Charlotte Harbor.
763	Square, black, pyramidal, skeleton structure.	.....	1890	.....	.....	
764	Square, white, one-and-one-half story structure, with green blinds and red roof, surmounted by a black lantern and resting on brown screw-pile foundation.	.....	1890	.....	.....	Gasparilla Island Light, WSW. ⅛ W., 8⅛ miles.
765	Square, black, pyramidal skeleton structure.	.....	1893	.....	.....	
766	Square, red, pyramidal skeleton structure.	.....	1893	.....	.....	
767	White tower; lantern, black; white dwelling detached, green blinds.	81	1848	1857	Anderson fog-horn sounded in answer to signals from passing vessels.	The easterly edge of the sector cuts Tampa Bay Southwest Channel Bar Bell Buoy (black and white perpendicular stripes) and marks the course to the Southwest Channel entrance to Tampa Bay; its northerly edge cuts Tampa Bay North Channel Entrance Whistling Buoy (black and white perpendicular stripes) and marks the course for entering Tampa Bay by the North Channel.

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SEVENTH DISTRICT. FLORIDA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
			° ′ ″				
768	TAMPA BAY. Mullet Key Shoal						
769	TAMPA BAY. Indian Hill						
770	TAMPA BAY. South Cut						
771	TAMPA BAY. North Cut						
772	TAMPA BAY. Long Shoal						
773	TAMPA BAY. Middle Ground						
774	TAMPA BAY. Barrel Stake						
775	ANCLOTE KEYS	On S. end of most southerly of Anclote Keys.	28 10 (02) 82 50 (44)	Flashing red every 30 sec.	3	101	15½
776	Cedar Keys	On eastern end of mound on Sea-Horse Key, harbor of Cedar Keys.	29 05 49 83 03 58	Fixed white, varied by a white flash every minute.	4	74½	14½
777	ST. MARKS	East side of entrance to St. Marks River	30 04 28 84 10 50	Fixed white	4	82	14½
778	Crooked River						
779	CAPE ST. GEORGE	On Cape St. George, about 3½ miles to eastward of W. pass to St. George Sound.	29 35 18 85 02 52	Fixed white	3	72	14
780	Range. Apalachicola Bay (front)	On E. edge at N. end of dredged channel into Apalachicola Bay.	29 42 (35) 84 58 (40)	Fixed red	Lens lantern.	15	
781	Range. Apalachicola Bay (rear)	On E. bank of Apalachicola River, opposite town of Apalachicola, about 1½ miles N. by W. ½ W. in rear of the preceding.	29 44 (05) 84 58 (59)	Fixed red	Lens lantern.	17	
782	CAPE SAN BLAS	Near S. point of Cape San Blas	29 40 (00) 85 21 (30)	Flashing alternately red and white; interval between flashes, 30 sec.	3	98	15½
783	PENSACOLA BAY. Range. PENSACOLA	Near Fort Barrancas, N. side of Pensacola Bay.	30 20 47 87 18 32	Flashing white every minute.	1	190½	20
784	PENSACOLA BAY. Range. Bar Beacon	Four hundred and fifty-eight feet SSE. ½ E. in front of the preceding.	30 20 (42) 87 18 (30)	Fixed white	6	55	11½
785	PENSACOLA BAY. Range. Fort McRae (front)	Southwesterly from ruins of Fort McRae, about 800 feet back from beach.	30 19 11 87 19 11	Fixed white	Lens lantern.	36	
786	PENSACOLA BAY. Range. Fort McRae (rear)	In The Lagoon, 850 feet WNW. in rear of the preceding.	30 19 14 87 19 18	Fixed red	Lens lantern.	49	
787	PENSACOLA BAY. Range. Fort Barrancas (front)	On beach near Fort Barrancas	30 20 45 87 18 06	Fixed white	Lens lantern.	36	
788	PENSACOLA BAY. Range. Fort Barrancas (rear)	On bluff, 400 feet N. ½ E. in rear of the preceding.	30 20 49 87 18 07	Fixed red	Lens lantern.	75	
789	PENSACOLA BAY. Devils Point	In 5 feet of water, on an oyster reef, off Devils Point, W. side of Escambia Bay.	30 29 29 87 08 28	Fixed red	Lens lantern.	30	
790	PENSACOLA BAY. White Point	In 11 feet of water, at the anchorage in mid-channel, southeasterly from White Point, East (Santa Maria de Galvez) Bay.	30 21 (00) 87 02 (41)	Fixed red	Lens lantern.	30	
791	PENSACOLA BAY. Escribano Point	In 7 feet of water, at entrance to Blackwater Bay, about 1 mile northwesterly from Escribano Point.	30 31 (07) 87 01 (46)	Fixed red	Lens lantern.	30	

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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FLORIDA. SEVENTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
768	.....	.....	.....	.....	.....	*To be built.*
769	.....	.....	.....	.....	.....	
770	.....	.....	.....	.....	.....	
771	.....	.....	.....	.....	.....	
772	.....	.....	.....	.....	.....	
773	.....	.....	.....	.....	.....	
774	.....	.....	.....	.....	.....	
775	Brown, skeleton tower and black lantern. Two white dwellings, with green blinds, in rear of tower.	96	1887	.....	.....	
776	Lantern on white dwelling.....	18	1854	.....	.....	Reef extending in a southwesterly direction, 12 miles from Sea-Horse Key, marked with an iron-pile beacon.
777	White tower and dwelling attached; balustrade, lantern, dome, and cowl, black.	75	1829	1866	.....	
778	.....	.....	.....	.....	.....	*To be built.*
779	White tower; lantern, dome, and cowl, black; white dwelling. New white dwelling 80 yards E. of the light-house.	68	1847	.....	.....	Shoals extend southward from light 7 miles, with 17 feet of water on outer shoal. Vessels should not approach this light nearer than 8 miles while running along the coast.
780	Lantern on cluster of three red iron-cased piles.	.....	1888	1892	.....	Guide through dredged channel from Apalachicola Bay to the town of Apalachicola. Red day beacon on E. edge at S. end of dredged channel.
781	Lantern on cluster of three white iron-cased piles.	.....	1888	.....	.....	
782	Brown iron skeleton tower with brown lantern. Two white dwellings near tower.	90	1847	1885	.....	*To be removed to a new site.* A dangerous shoal extends 5 or 6 miles southerly from this cape. A portion of the old tower and oil room are still standing, about 400 yards from end of cape, in 8 feet of water.
783	Lower third of tower, white; upper two-thirds, and lantern, dome, and cowl, black.	160	1824	1858	.....	
784	Front of beacon, white; sides, black..	26½	1859	1879	.....	Forms range with the preceding to cross the bar.
785	Square, white, pyramidal framework .	30	1888	.....	.....	Range guides in best water from the Pensacola Range to the Fort Barrancas Range.
786	Square, red, pyramidal framework	.....	1888	1888	.....	
787	Square, white, pyramidal framework..	30	1888	.....	.....	Range guides from Fort McRae Range in best water between Forts McRae and Pickens.
788	Square, red, pyramidal framework ...	50	1888	.....	.....	
789	Square, red, pyramidal framework	....	1888	1888	.....	Principal channel lies to the eastward of beacon.
790	Square, red, pyramidal framework	.....	1888	1888	.....	Serves as a guide to East (Santa Maria de Galvez) Bay.
791	Square, red, pyramidal framework	.....	1888	1888	.....	Marks turn of channel into Blackwater Bay.

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EIGHTH DISTRICT. ALABAMA AND MISSISSIPPI.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
				° ′ ″				
792		SAND ISLAND	On SE. side of low sand island, about 3 miles SSW. of Mobile Point, Ala.	30 11 19 88 03 02	Fixed white	2	131	17½
793		MOBILE POINT	On SW. lunette of Fort Morgan, Mobile Point, Ala., E. side of channel into Mobile Bay.	30 13 (44) 88 01 (27)	Fixed red	4	49	11½
794		Mobile Point Beacon	On Mobile Point, Ala., about 700 feet S. by W. ¾ W. from Mobile Point Light.	30 13 (37) 88 01 (30)	Fixed white	Tub'lar lantern.	85	.....
795	Mobile Bay.	Mobile Bay	In 12½ feet of water, E. side of lower bend of dredged channel in the bay, Ala.	30 26 (22) 88 00 (43)	Fixed white, varied by a red flash every 30 sec.	4	41	11½
796	Mobile Bay.	Dog River Bar Beacon, No. 1	On Dog River Bar, Ala., E. side of channel gap, at third bend.	.....	Fixed red	Tub'lar lantern.	20	.....
797	Mobile Bay.	Dog River Bar and Choctaw Pass Channel Ranges (front for both), Beacon No. 2.	On Dog River Bar, Ala., at intersection of axis of Dog River Bar and Choctaw Pass Channels.	.....	Fixed white	Tub'lar lantern.	20	.....
798	Mobile Bay. Range.	Choctaw Pass Channel (rear), Beacon No. 3.	On easterly prolongation of axis of Choctaw Pass Channel, about 500 yards from the preceding.	.....	Fixed white	Tub'lar lantern.	.....	.....
799	Mobile Bay. Range.	Battery Gladden (also Dog River Bar Range, rear).	On ruins of Battery Gladden, ⅝ mile E. of Choctaw Point, below mouth of Mobile River, Ala.	30 40 (05) 88 00 (16)	Fixed white, with a fixed red sector between NE. by E. ¾ E. and ENE. ¼ E.	4	45½	12½
800		Horn Island	On sand hill, near eastern end of Horn Island, Miss.	30 13 (13) 88 31 (45)	Fixed white, varied by a red flash every minute.	4	43	11½
801	Mississippi Sound.	Round Island	On S. end of island off Pascagoula, Miss.	30 17 29 88 35 07	Fixed white	4	50	12½
802	Mississippi Sound. Range.	Pascagoula River (front)	At entrance to Pascagoula River, Miss., about 1,000 feet SE. of rear light.	30 20 (39) 88 34 (06)	Fixed white	Tub'lar lantern.	22	.....
803	Mississippi Sound. Range.	Pascagoula River (rear)	At entrance to Pascagoula River, Miss., about 1,450 feet SSW. of East Pascagoula River Light-Station.	30 20 (47) 88 34 (13)	Fixed red	Tub'lar lantern.	28	.....
804	Mississippi Sound.	East Pascagoula River	At W. side of mouth of East Pascagoula River, Miss.	30 21 01 88 34 06	Fixed white	5	36½	11½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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ALABAMA AND MISSISSIPPI. EIGHTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
792	Black conical tower; white dwelling with green blinds, on brick foundation, 780 feet N. by W. ¾ W. from tower. Square pyramidal fog-bell tower near.	125	1838	1873	Bell struck by machinery every 20 sec.	The curve of 18 feet of water extends S. by E., 2 miles from the light, and runs from thence northwestwardly to Dauphin Island, 3 miles from its eastern extremity. It also extends northwardly from the light until opposite Mobile Point. The main channel lies E. of these shoals, and the curve of 18 feet of water to the eastward of it extends from ¼ mile to 2½ miles E. of the light, and northward to Mobile Point.
793	Conical, black skeleton tower, upper part inclosed. White dwelling outside of fort.	30	1864	1872	.....	Vessels drawing not over 18 feet of water may approach within 300 yards of the light on the west. A shoal extends southward from the light 4 miles. Over this shoal, running E. and W., and lying ¾ mile from the light, is the Swash Channel, with 6 feet of water. There is a signal-display station about 100 yards to the eastward of the light tower.
794	Square, red, pyramidal framework ...	.....	1888	.....	.....	In approaching Mobile Bay from seaward, when in not less than 10 fathoms of water, get Sand Island Light to bear NNW. ¼ W. and steer for it, passing close to the Whistling Buoy; continue this course until the Mobile Point Lights come in range, when change course to N. ¼ E. Keeping this range open, after having crossed it, guides clear of the East Bank nearly up to Red Buoy No. 4.
795	Hexagonal screw-pile structure, with pyramidal roof, surmounted by black lantern; piles, red; dwelling, white, with green blinds.	56½	1885	.....	Bell struck by machinery every 5 sec.	With Sand Island Light, marks range of the lower section of dredged channel.
796	Lantern on red open-frame pile structure.	.....	1871	1892	.....	
797	Platform on wooden piles, supporting red staff and day-mark, with lantern attached.	.....	1886	.....	.....	With Battery Gladden Light, forms a range for running the upper section of Dog River Bar Channel from Dog River Bar, Beacon No. 1, to its intersection with Choctaw Pass Channel. With the Choctaw Pass Channel Range, Beacon No. 3, forms a range for running the lower section of Choctaw Pass Channel.
798	Platform on wooden piles, supporting red staff and day-mark, with lantern attached.	.....	1886	.....	.....	Rear light of range for running the lower section of Choctaw Pass Channel.
799	Square screw-pile structure; piles, red; dwelling, white.	41	1872	.....	.....	With Beacon No. 2 forms range for running upper section of Dog River Bar Channel from Beacon No. 1 to turning point at Beacon No. 2. The red sector marks the turning point in Choctaw Pass Channel.
800	Black lantern on square one-and-one-half story frame dwelling. Dwelling, white, with lead-colored trimmings and green blinds.	28	1874	1887	.....	The sand spit on the E. end of Horn Island is constantly shifting. Vessels should not attempt to go through Horn Island Pass when the buoys can not be seen.
801	Conical white tower; lantern, black; white dwelling near.	45	1833	.....	.....	The light is hidden by woods between SE. ¾ S. through south to WNW. ¾ W., except through a narrow gap at S. ¾ W. A shoal, with less than 6 feet of water, extends 1 mile S. of light. Vessels, in running through the sound, should pass to southward of this light, giving it a berth of between 2½ and 3 miles.
802	Black, triangular pyramidal framework.	.....	1889	.....	.....	Range for running the long arm of the dredged channel into Pascagoula River. The lights should be brought in range in 9 or 10 feet of water, and the range followed to the turn in the channel, from which point clusters of piles on the E. side of the channel guide into the river.
803	Black, triangular pyramidal framework.	.....	1889	1892	.....	
804	Lantern on white dwelling.....	35	1854	.....	.....	The light is obscured by trees to the eastward of NW. by W. ½ W.

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EIGHTH DISTRICT. MISSISSIPPI AND LOUISIANA.

Number.		Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
				° ′ ″				
805	Mississippi Sound.	Ship Island	Near W. end of Ship Island, Miss	30 12 (53) 88 57 (56)	Fixed red	4	73	11½
806		Biloxi	At Biloxi, W. of western entrance to Biloxi Bay, Miss.	30 23 44 88 54 04	Fixed white	5	60½	13
807		Cat Island	On low sandy point, western end of Cat Island, Miss.	30 13 (56) 89 09 (41)	Fixed white, varied by a white flash every 90 sec.	5	45½	12
808		Merrill Shell Bank	In 6 feet of water, N. side of main channel, between Cat Island, St. Joseph Island, and Grand Island, Miss.	30 14 (17) 89 15 (28)	Fixed white	4	42	11½
809		Lake Borgne	In the marsh, near S. extremity of Lower Point Clear, Miss., about 100 yards from the beach and 500 yards from the N. edge of Grand Island Pass entrance to Lake Borgne.	30 10 (35) 89 27 (33)	Fixed white	5	43½	11½
810		Pearl River						
811	Lake Pontchartrain.	West Rigolets	At E. entrance to Lake Pontchartrain, La.	30 10 33 89 44 34	Fixed white	5	29	10½
812		Pointe aux Herbes	Near extreme NE. point of Pointe aux Herbes, 7 miles WSW. of West Rigolets, La.	30 09 (29) 89 51 (20)	Fixed red	5	37½	8½
813		Port Pontchartrain	Near terminus of Pontchartrain Railroad, Milneburg, La.	30 01 59 90 03 43	Fixed white, varied by a white flash every 90 sec.	5	47	11½
814		Bayou St. John	Five miles N. of New Orleans, on the W. jetty, 150 feet from entrance to Bayou St. John, La.	30 01 (50) 90 04 (57)	Fixed white	6	33	11
815		New Canal	At entrance to New Canal, 5 miles N. of New Orleans, La.	30 01 (41) 90 06 (47)	Fixed white	5	47½	12½
816		Chefuncte River	Near Madisonville, La	30 22 (58) 90 05 (59)	Fixed white	5	49	12½
817		Pass Manchac	At mouth of Pass Manchac, between lakes Maurepas and Pontchartrain, La.	30 17 (48) 90 12 (39)	Fixed white	5	31	10½
818		Amite River	Near mouth of Amite River, Lake Maurepas, La.		Fixed white	Tub'lar lantern.	45	
819		CHANDELEUR	Near northern extremity of Chandeleur Island, La.	30 03 06 88 52 35	Fixed white	Tub'lar lantern.	40	

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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MISSISSIPPI AND LOUISIANA. EIGHTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
805	Black lantern on square white, pyramidal tower. One-story white frame dwelling, with green blinds, alongside.	50	1853	1886	.....	Vessels of not over 18 feet draft may approach the light within ½ mile on the N., W., or S.
806	Conical white tower; dwelling near..	48	1848	.....	.....	
807	Square white screw-pile structure; piles and lantern, red.	40	1831	1871	.....	The light is obscured by Great Sand Hill and trees on Cat Island, between WSW. ½ W. and W. by N.
808	Square white screw-pile structure with pyramidal roof; lantern, black.	51	1860	1883	Bell struck by machinery every 20 sec.	Six hundred yards N. of turn of the channel in Mississippi Sound.
809	Square tower rising from roof of square white dwelling on brown pile foundation; roof, brown; lantern, black.	.....	1889	.....	Bell struck by machinery every 30 sec.	
810	.....	.....	.....	.....	.....	*To be built.*
811	Black lantern on square white dwelling with pyramidal roof.	.....	1855	.....	.....	
812	Black lantern on square white dwelling, standing on five white piers.	38	1875	.....	.....	
813	Conical white tower; lantern, black; white dwelling, detached.	36	1838	.....	.....	
814	Lantern on a white cylindrical column, with small white building at base, supported on platform on piles.	28	1811	1865	.....	The W. entrance has been closed, and a white lantern light, on a pole on the E. jetty, is displayed by the canal company.
815	Square, white, two-story frame dwelling, surmounted by black lantern and resting on pile foundation.	28	1838	1890	.....	When bearing about SE., this light is in range with, but shows through, the observatory on the Southern Yacht Club House.
816	Conical white tower; lantern, black; one-story white frame dwelling, with pyramidal roof, detached. White pyramidal fog-bell tower between tower and dwelling.	43	1837	1867	Bell struck by machinery every 30 sec.	
817	Cylindrical, white, brick tower attached to white brick dwelling.	80	1837	.....	.....	
818	One-story white frame dwelling, resting on four brown wooden piles; blinds, green.	.....	1882	.....	.....	Lantern hoisted on staff above gable of dwelling.
819	Abandoned conical white tower; lantern, black; two square white dwellings with pyramidal roofs on iron piles, to westward of tower. Lantern on staff on one of the dwellings.	56	1848	1855	.....	Guide to Cat and Ship Island anchorages. There is safe anchorage inside the point, in 4 fathoms of water, the light bearing NE. about 2 miles. A shoal extends ¾ mile NW. of light.

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EIGHTH DISTRICT. LOUISIANA.

Number.		Name.	Location.	Latitude north. Longitude west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
				° ′ ″				
820	PASSES OF THE MISSISSIPPI RIVER.	PASS À LOUTRE.....	North side of entrance to Pass à Loutre, on Middle Ground Island, in pass, La.	29 11 30 89 02 28	Fixed white, varied by a white flash every 45 sec.	3	63	13½
821		South Pass East Jetty.....	Mouth of pass, near end of eastern jetty, La.	28 59 (28) 89 08 (08)	Fixed red.....	5	52	8½
822		South Pass West Jetty.....	Mouth of pass, on end of western jetty, La.	.....	Fixed white	5	26	10½
823		Range. South Pass Beacon (front)	About 150 feet E. of W. jetty, and about ⅛ mile from its outer end.	.....	Fixed white	Refl'r.	17	.....
824		Range. SOUTH PASS (rear).....	On W. side of South Pass, La., about 2½ miles from outer end of jetties.	29 00 (59) 89 10 (01)	Flashing white every 5 sec.	1	108	16½
825		SOUTHWEST PASS.....	On low marshy island, W. side of pass, ½ mile S. by W. ¼ W. from old tower, La.	28 59 22 89 23 30	Fixed white.....	1	123½	16
826		Head of the Passes	On Deer Island, at junction of Southwest and South passes, La.	29 08 34 89 15 05	Fixed white	5	38	11½
827		Head of the Passes West Jetty.	On W. side of northerly end of the West jetty, upper entrance to South Pass, La., about 1,304 feet N. by W. ¼ W. from Head of the Passes Light-House.	29 08 (47) 89 15 (08)	Fixed white.....	Lens lantern.	25	....
828		Head of the Passes East Jetty.	East jetty, upper entrance to South Pass, La.	.....	Fixed red.....	Tub'lar lantern.	38	.....
829	MISSISSIPPI RIVER.	Cubits Gap Post-Light.....	At pilot headquarters, a short distance below Cubits Gap, La.	29 11 (15) 89 15 (40)	Fixed white	Tub'lar lantern.	....	....
830		Cubits Gap Fog-Signal Station	At Cubits Gap, La., about 2,000 feet above Cubits Gap Post-Light.	29 11 (32) 89 15 (49)	.....	.....	.....	.....
831		Pointe à la Hache Post-Light.	At extreme end of Pointe à la Hache, about 51 miles below New Orleans, La.	29 32 (32) 89 45 (19)	Fixed red	Tub'lar lantern.	.....	.....
832		Harris Bayou Post-Light	On upper bank of Harris Bayou, NE. side of river opposite Sixty-Mile Point, La.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
833		Irontown Post-Light	On SW. bank of river opposite Poverty Point, La.	.....	Fixed white	Tub'lar lantern.	....	.....
834		Poverty Point Post-Light ...	At extreme end of Poverty Point, about 34 miles below New Orleans, La.	29 39 (19) 89 57 (16)	Fixed red.....	Tub'lar lantern.	.....	....
835		McCall Flat Post-Light.....	350 yards below wreck of *De Soto*, about 24 miles below New Orleans, La.	29 45 (50) 90 01 (03)	Fixed red.....	Tub'lar lantern.	.....	.....
836		Shingle Point Post-Light ...	At Shingle Point, about 15 miles below New Orleans, La.	29 52 (50) 89 57 (44)	Fixed red.....	Tub'lar lantern.	.....	.....
837		Poydras Hall Post-Light.....	On E. bank of river opposite Twelvemile Point, La.	.....	Fixed red	Tub'lar lantern.	.....	.....
838		Twelvemile Point Post-Light.	At Twelvemile Point, English Turn, 12 miles below New Orleans, La.	29 52 (52) 89 54 (31)	Fixed white	Tub'lar lantern.	.....	.....

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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LOUISIANA. EIGHTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
820	Conical black tower, white dwelling 30 yards to southward. Black day-beacon of open framework, surmounted by a ball, bears E. ½ S. from tower.	70	1855	.....	.....	It is not safe to attempt to carry more than 7 feet through this pass. Strangers should not go through without a pilot. Dangerous mud lumps are constantly forming at entrance.
821	White, square, pyramidal tower with green blinds, surmounted by black lantern and a flagstaff with gilt-ball 23 feet above the lantern; a fog-signal house, painted like the tower, stands alongside. Tower and fog-signal house on brown pile foundation.	.....	1878	1891	Bell struck by machinery every 10 sec.	Vessels going in or out should keep well over towards this light.
822	Black four-sided pyramidal structure, on wooden pile foundation.	15	1878	1884	.....	Visible from ENE. around by S. and E. to ESE.
823	White pyramidal wooden framework, resting on four piles.	.....	1886	.....	.....	With South Pass Light, forms range for carrying deepest water into the pass.
824	Red pyramidal framework, inclosing cylindrical dwelling and stairway.	105	1831	1851	.....	Vessels going in should bring South Pass Light to bear NW. ¾ W., and then run for it on range-line formed by it and the range beacon. Strangers should not attempt to go in without a pilot. All upward-bound vessels must keep to the right, or nearest the E. bank of the pass, giving right of way to vessels bound in opposite direction.
825	Black, octagonal, pyramidal skeleton tower, with dwelling in lower part. Low frame building stands 20 yards SE. of tower.	126	1831	1873	.....	In approaching the bar, vessels should not pass inside of 10 fathoms without a pilot.
826	Lantern on square white dwelling with gable roof. Square pyramidal fog-bell tower near N. side.	36	1852	1863	Bell struck by machinery; double blow, interval 10 sec.; single blow, interval 20 sec.	
827	Square, black, pyramidal framework covered with horizontal slats.	.....	1878	1893	.....	With the preceding forms a range to guide to entrance to South Pass. The channel is well over towards this light; bold water close alongside.
828	Framework structure of unpainted scantling, resting on piles and supporting a staff, on which hangs the lantern.	25	1878	1884	.....	
829	.....	.....	1881	.....	.....	
830	Wooden structure	.....	1891	.....	Bell struck by machinery every 15 sec.	
831	.....	.....	1880	.....	.....	A section of the Louisiana Dry Dock is grounded a short distance below this light, on same side of river.
832	White post	.....	1893	.....	.....	
833	White post	.....	1893	.....	.....	
834	.....	.....	1880	.....	.....	
835	.....	.....	1880	.....	.....	
836	.....	.....	1881	.....	.....	
837	White post	.....	1893	.....	.....	
838	.....	.....	1881	.....	.....	

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EIGHTH DISTRICT. LOUISIANA AND TEXAS.

Number	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
			° ′ ″				
839	Barataria Bay	On W. end of Grande Terre Island, at entrance to Barataria Bay, La.	29 16 31 89 56 50	Fixed white	4	59	13
840	TIMBALIER (*see Remarks*)	In 7 feet of water, on N. side of Timbalier Island, near E. end, W. side of Grand Pass, entrance to Timbalier Bay, La.	29 03 06 90 20 57	Fixed white, varied by a red flash every minute.	2	106	16
841	SHIP SHOAL	In 10 feet of water, on Ship Shoal, near W. extremity, 11 miles SSW. of Raccoon Point, La.	28 54 56 91 04 15	Flashing white every 30 sec.	2	105	16
842	SOUTHWEST REEF	In 3 feet of water, at entrance to Atchafalaya Bay, La.	29 23 36 91 30 14	Fixed white	4	54½	12½
843	GRAND LAKE AND LAKE CHICOT. Atchafalaya River Post-Light.	On W. bank, entrance into Six-Mile Lake, La.		Fixed white	Tub'lar lantern.		
844	Cypress Island Post-Light	On E. end of Cypress Island, La		Fixed white	Tub'lar lantern.		
845	Wreck of Queen of the West Post-Light.	Off wreck of *Queen of the West*, northerly part of Grand Lake, La.		Fixed white	Tub'lar lantern.		
846	Shaws Island Post-Light	On SE. end of Shaws Island, Grand Lake, La.		Fixed white	Tub'lar lantern.		
847	Chicot Pass (South) Post-Light.	South entrance into Chicot Pass, La		Fixed white	Tub'lar lantern.		
848	Chicot Pass (North) Post-Light.	North entrance into Chicot Pass, La		Fixed white	Tub'lar lantern.		
849	Turning Point Post-Light	In lower end of Lake Chicot, at the turning point, La.		Fixed white	Tub'lar lantern.		
850	Lake Chicot Post-Light	Near center of lake, La		Fixed white	Tub'lar lantern.		
851	*Trinity Shoal Light-Vessel, No. 43*	Moored in 21 feet of water, 1½ miles to northward of Trinity Shoal, La., and about midway between its extreme ends.	29 15 (00) 92 10 (00)	Fixed white	Refl'r.	40	11½
852	Calcasieu	In marsh at entrance to Calcasieu River, on W. bank of Calcasieu Pass, La.	29 46 54 93 20 42	Fixed white	4	53	12½
853	SABINE PASS	On Brant Point, E. side of entrance to Sabine River, La.	29 43 02 93 50 59	Fixed white, varied by a white flash every 90 sec.	3	84	14½
854	*Galveston Light-Vessel, No. 28*	Moored in 28 feet of water inside of Galveston Bar, Tex.	29 20 (50) 94 43 (30)	Fixed red	Refl'r.	48	12½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

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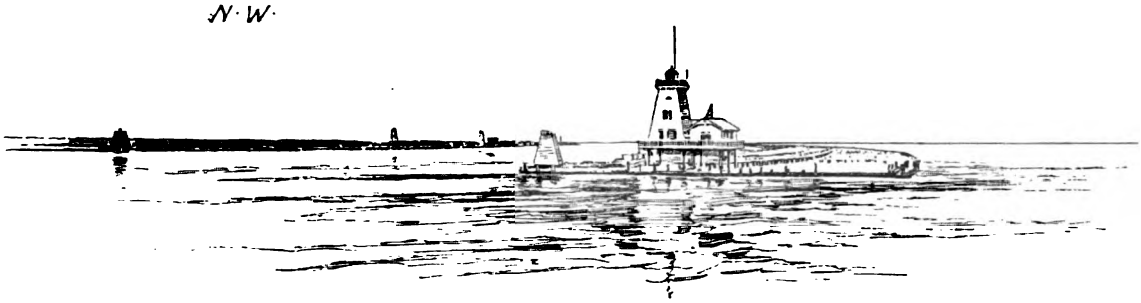
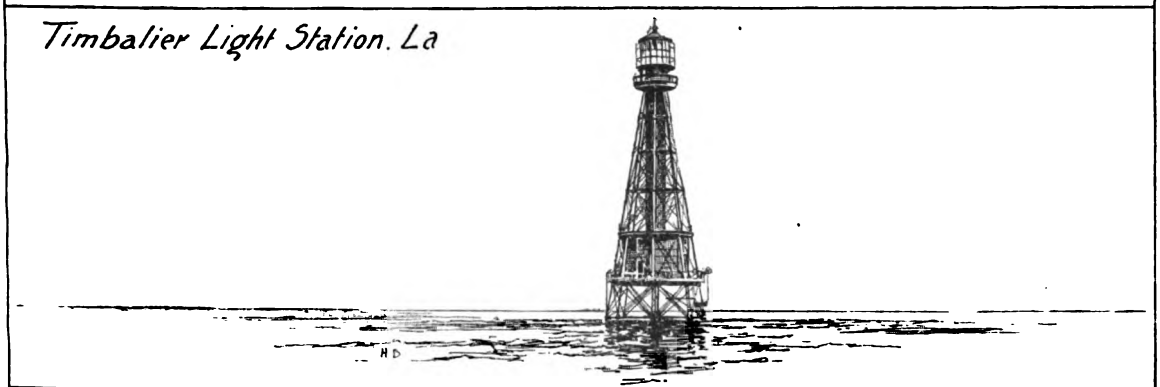
South Pass East Jetty Light Station. La.

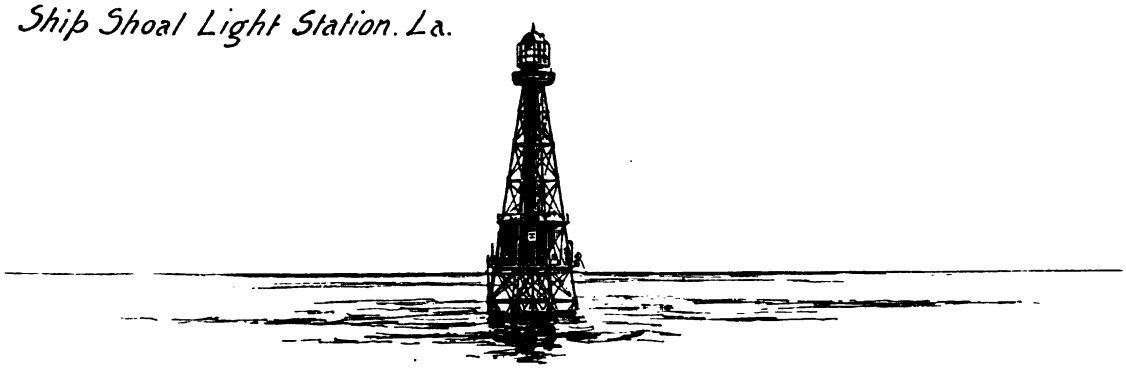
N·W·



Timbalier Light Station. La



Ship Shoal Light Station. La.



Southwest Reef Light Station. La.

N·E·

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LOUISIANA AND TEXAS. EIGHTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
839	White octagonal pyramidal tower, 100 yards W. of Fort Livingston. Square dwelling with pyramidal roof near.	55	1856	1864	.....	
840	Black pyramidal framework on pile foundation, inclosing cylindrical dwelling and stairway.	.....	1856	1874	.....	Vessels passing should use the lead frequently, and not get in less than 5 fathoms. Vessels drawing over 7 feet should not venture across the bar at entrance to Timbalier Bay. Good anchorage in 20 feet of water is found just inside the entrance, ¼ mile E. of extremity of West Timbalier Island. *Tower reported destroyed and light extinguished January 25, 1894.*
841	Brown pyramidal framework on pile foundation, inclosing cylindrical dwelling and stairway.	....	1859	.....	Bell struck by hand ...	The curve of 12 feet of water extends from 1½ to 6 miles E. of tower. The curve of 18 feet of water is found from 5 miles W. to 15 miles E. and from ½ mile N. to 3 miles S. of it. In passing along the coast to the southward, it is best to keep in not less than 4½ fathoms, and when the light bears N. it should not be less than 5 miles distant. There is a good channel inside the shoal, with from 4 to 5 fathoms.
842	Square pyramidal tower connected to square house, with pyramidal fog-bell tower rising from roof, all black, on screw-pile foundation.	.....	1859	.....	Bell struck by machinery every 20 sec.	
843	.....	.....	1887	.....	.....	
844	.....	.....	1887	.....	.....	
845	.....	.....	1893	.....	.....	
846	.....	.....	1887	.....	.....	
847	.....	.....	1887	.....	.....	
848	.....	.....	1889	.....	.....	
849	.....	.....	1893	.....	.....	
850	.....	.....	1887	.....	.....	
851	Two masts, schooner-rigged; red circular latticework day-mark at each masthead. Hull red, with "TRINITY SHOAL" in large white letters on each side, and "43" on stern. The light is shown from foremasthead.	.....	1881	.....	12-inch steam whistle; blasts 4 sec., silent intervals 56 sec.	Guide through the channel between Tiger and Trinity shoals, and marks the latter shoal. Whistle sounds thus: Blast, 4 sec. Silent interval, 56 sec. Blast, 4 sec. Silent interval, 56 sec.
852	Black pyramidal tower, surmounted by lantern, on screw-pile foundation; white storehouse on wooden piles, on N. side of tower.	53	1876	.....	....	Vessels drawing 5 feet may pass over the bar, when smooth, on the pilot range of light-house and beacon with flag, on W. bank of river. The bar buoy is kept as nearly as possible on this range.
853	White octagonal pyramidal tower with buttresses. Detached white frame dwelling with green blinds, on pile foundation, near tower.	75	1856	....	....	Jetties (building) extend 3¼ miles out to sea, partly submerged.
854	Two masts, schooner-rigged; black hoop-iron day-mark at mainmasthead. Hull and spars, straw-color, with "GALVESTON" in large black letters on each side, and "28" on stern.	.....	1849	.....	Bell	Guide across the bar in best water. Strangers should not approach Galveston Bar from eastward without a pilot in less than 7 fathoms of water. They may anchor with safety in 7 fathoms of water, with light-vessel bearing W. by N.

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EIGHTH DISTRICT. TEXAS.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet	Distance visible, in nautical miles.
			° ′ ″				
855	BOLIVAR POINT	On Bolivar Point, N. side of entrance to Galveston Bay, Tex.	29 22 03 94 46 01	Fixed white	2	117	16¾
856	Fort Point	Off NE. end of Galveston Island, Tex	29 20 15 94 46 01	Fixed white, with three fixed red and two dark sectors.	4	47½	12½
857	GALVESTON BAY. Halfmoon Shoal	In the bay, between Pelican Island and Dollar Point, Tex.	29 24 02 94 51 00	Fixed white	6	37	11½
858	GALVESTON BAY. Red Fish Bar	On Red Fish Bar, off Edwards Point, Tex.	29 30 (48) 94 52 (09)	Fixed white	5	37½	11½
859	BRAZOS RIVER						
860	MATAGORDA	Near eastern end of Matagorda Island, entrance to Matagorda Bay, Pass Cavallo, Tex.	28 20 18 96 25 28	Flashing white every 90 sec.	3	85½	14½
861	ARANSAS PASS	On low island, inside of Aransas Pass, Tex.	27 51 51 97 03 25	Fixed white	4	65	13½
862	BRAZOS SANTIAGO (Padre Island).	West side of S. end of Padre Island, N. side of entrance to Brazos Santiago, Tex.	26 04 16 97 10 00	Fixed white	4	60	13½
863	Point Isabel						

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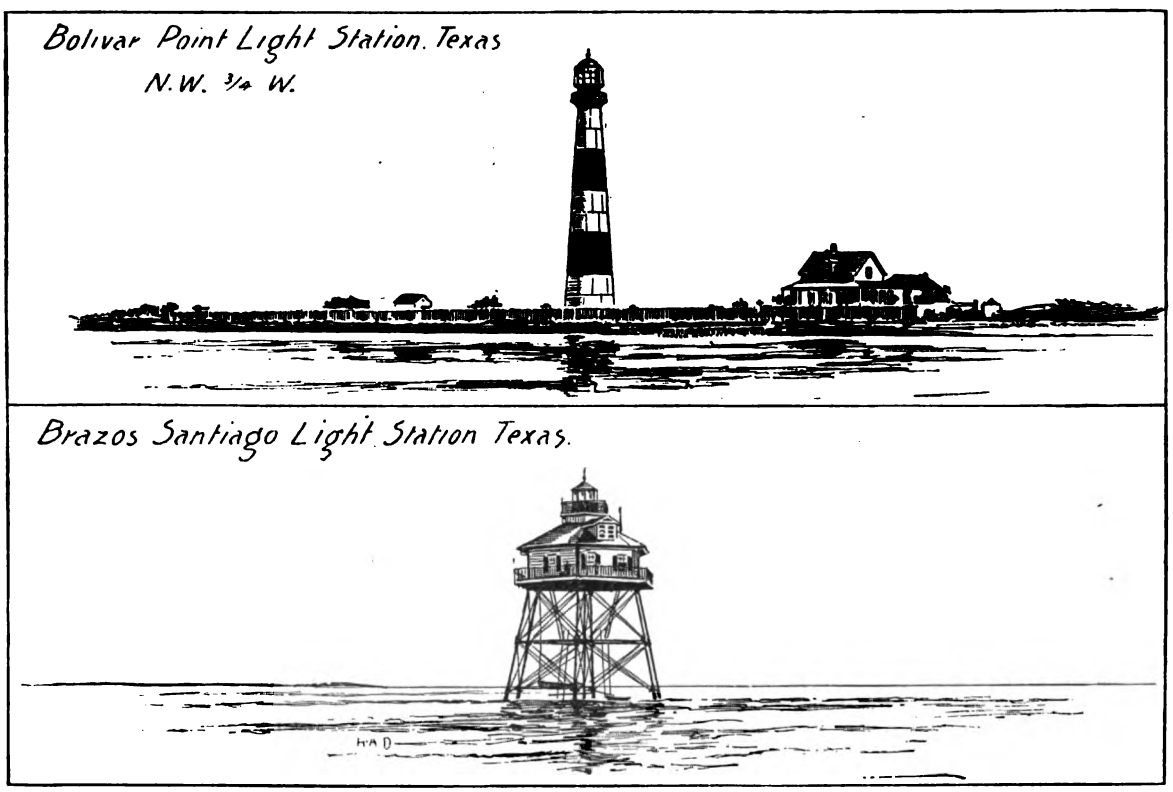

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TEXAS. EIGHTH DISTRICT.

Number.	Description of station.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
855	Conical tower colored with white and black horizontal bands; white dwelling, 40 yards to northeastward.	110	1852	1872	.....	The curve of 18 feet of water is found 3½ miles due E., and 4½ miles SE. of light. Strangers should not approach Galveston Bar from eastward without a pilot in less than 7 fathoms of water. Good anchorage in 7 fathoms, with light bearing WNW. ½ W.
856	White hexagonal screw-pile structure; piles, red; blinds, green; lantern and dome, black.	.....	1881	.....	.....	This light is obscured from NNE. eastward to WNW. ½ W. On the latter bearing it becomes visible as a *red* light, and shows as such through 16° of arc to line of jetty, where it changes to a white light, illuminating 4° of arc, and marking entrance to jetty channel. From thence it is obscured through an arc of 10½°, and again becomes visible as a white light on the bearing WSW. From this line to NNE. ½ E. it shows as a fixed white light, interrupted by a *red* sector on Turn Buoy (black, No. 5). From NNE. ½ E. to NNE. it shows *red* on Galveston wharves. On entering main ship-channel at night, the light will not be visible until nearly up to the light-vessel, when it will show white and continue so up to Turn Buoy, No. 5, when it will change to *red*. After making the turn, it will again show white, and so continue until near the city wharves.
857	White screw-pile structure; lantern, black.	.....	1854	1869	Bell struck by machinery every 20 sec.	To guide clear of Halfmoon Shoal.
858	Square white screw-pile structure; lantern black.	.....	1854	1868	Bell struck by machinery every 30 sec.	To guide clear of Red Fish Bar Shoals.
859	.....	.....	.....	.....	.....	*To be built.*
860	Black conical tower; two white dwellings, a few yards to NE.	84	1852	1873	.....	About 1½ miles SW. by W. ½ W. from old tower. This bar changes frequently, both in position and depth, and should never be attempted without a pilot. Anchorage in from 7 to 8 fathoms, with the light bearing from WNW. to NW.
861	Brown octagonal pyramidal tower; lantern, black; two dwellings, near.	55	1855	1867	.....	The light, when bearing NW. ½ W., will be seen between the two points of the pass; but the bar shifts so often that no directions can be given for crossing, and little dependence should be put on the buoys. Strangers should not attempt this bar without a pilot or without sounding the bar for themselves. Anchorage off this bar, in about 7 fathoms, with the light bearing NW.
862	Hexagonal screw-pile structure; dwelling, slate-color; piles, roof, and lantern, black.	61	1879	....	.....	On no account should strangers attempt to cross the bar without a pilot, as it is constantly changing.
863	.....	.....	.....	.....	.....	To be reestablished.

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INDEX.

Name.	Light-house district.	Page.
List of Light-House Districts and Local Officers	.....	3-5
Notes	.....	6
Notice to Mariners	.....	6
Rules and Regulations Relating to the Anchorage of Vessels in the Port of New York	.....	8
State Laws	.....	9-16
United States Revised Statutes	.....	8
Visibility of Lights, Table of Distances	.....	7
LIGHT-STATIONS.		
Absecon, N. J	4	66
Addison Point, Indian River, Fla	6	110
Alligator Reef, Fla	7	112
Allyn Point, Thames River, Conn	3	44
Amelia Island, Fla	6	102
Amelia Island Range, Fla	6	102
American Shoal, Fla	7	114
Amite River, La	8	124
Anclote Keys, Fla	7	120
Ankony, Indian River, Fla	6	110
Annisquam, Mass	2	26
Apalachicola Bay Range, Fla	7	120
Aransas Pass, Tex	8	130
Ash-Pan Shoals, Indian River, Fla	6	112
Assateague, Va	4	78
Atchafalaya River, La	8	128
Avery Rock, Me	1	18
Back River, Chesapeake Bay, Va	5	80
Bailey Point, Thames River, Conn	3	44
Baker Island, Me	1	20
Baker Island, Salem Harbor, Mass	2	28
Barataria Bay, La	8	128
Barnegat, N. J	4	66
Barnwell Place, Savannah River, S. C	6	100
Barrel Stake, Tampa Bay, Fla	7	120
Bartlett Point, Thames River, Conn	3	44
Bartlett Reef Light-Vessel, No. 13, Long Island Sound, Conn	3	46
Bass Harbor Head, Me	1	20
Bass River, Nantucket Sound, Mass	2	34
Bath Dike, Hudson River, N. Y	3	64
Battery Gladden, Mobile Bay, Ala	8	122
Batton Island Shoal, St. Johns River, Fla	6	102
Bayard Point, St. Johns River, Fla	6	104
Bayou St. John, Lake Pontchartrain, La	8	124
Bear Island, Me	1	20
Bear Island, Hudson River, N. Y	3	64
Beavertail, Narragansett Bay, R. I	3	40
Beecher Point Shoal, St. Johns River, Fla	6	106
Bells Rock, York River, Va	5	82
Bergen Point, Newark Bay, N. J	3	60
Bethel, Indian River, Fla	6	110
Billingsgate Island, Cape Cod Bay, Mass	2	32
Billingsport Range, Delaware River, N. J	4	74
Biloxi, Mississippi Sound, Miss	8	124
Bird Island, Buzzards Bay, Mass	2	32
Bishop and Clerks, Nantucket Sound, Mass	2	34
Black Point, St. Johns River, Fla	6	108
Black Rock, Long Island Sound, Conn	3	52
Blakistone Island, Potomac River, Md	5	84
Block Island Breakwater Range, R. I	3	42
Block Island (N.), R. I	3	42
Block Island (SE.), R. I	3	42
Bloody Point Bar, Chesapeake Bay, Md	5	86
Bloody Point Range, S. C	6	98
Blue Hill Bay, Me	1	20
Bodie Island, N. C	5	90
Bodkin Rock, Connecticut River, Conn	3	48
Bolivar Point, Tex	8	130
Bombay Hook, Delaware River, Del	4	72
Boon Island, Me	1	26
Borden Flats, Mount Hope Bay, Mass	3	42
Bordentown, Delaware River, N. J	4	76
Boston Auxiliary, Boston Bay, Mass	2	30
Boston, Boston Bay, Mass	2	30
Bowlers Rock, Rappahannock River, Va	5	82
Bradley Reserve, Indian River, Fla	6	110
Brandywine Shoal, Delaware Bay, Del	4	70
Brant Island Shoal, Pamlico Sound, N. C	5	92
Brant Point, Nantucket Sound, Mass	2	34
Brazos River, Tex	8	130
Brazos Santiago (Padre Island), Tex	8	130
Brenton Reef Light-Vessel, No. 11, R. I	3	40
Brewerton Channel Range, Patapsco River, Md	5	88
Bridgeport Breakwater, Long Island Sound, Conn	3	52
Bridgeport Harbor, Long Island Sound, Conn	3	52
Bristol Ferry, Narragansett Bay, R. I	3	42
Brockway Reach, Connecticut River, Conn	3	48
Browns Creek, St. Johns River, Fla	6	102
Browns Head, Penobscot Bay, Me	1	22
Buckalew Bluff, St. Johns River, Fla	6	106
Buckley Bluff, St. Johns River, Fla	6	104
Bullock Point, Providence River, R. I	3	42
Bull Bay, Bull Bay, S. C	6	96
Bull Bay Pierhead, Bull Bay, S. C	6	96
Bulkhead Shoal Ranges, Delaware River	4	72
Burnt Coat Harbor, Me	1	20
Burnt House Pier, Thames River, Conn	3	46
Burnt Island, Me	1	24
Bush Bluff Light-Vessel, Elizabeth River, Va	5	78
Calcasieu, La	8	128
Calves Island, Connecticut River, Conn	3	46
Campbell Island, Cape Fear River, N. C	6	96
Cape Ann, Mass	2	28
Cape Canaveral, Fla	6	108
Cape Charles, Va	5	78
Cape Charles City Range, Chesapeake Bay, Va	5	80
Cape Charles City Harbor, Chesapeake Bay, Va	5	82
Cape Charles Light-Vessel No. 49, Va	5	78
Cape Cod, Mass	2	32
Cape Cod, Indian River, Fla	6	110
Cape Elizabeth, Casco Bay, Me	1	24
Cape Fear, N. C	6	94
Cape Hatteras, N. C	5	90
Cape Hatteras Beacon, N. C	5	90
Cape Henlopen, Del	4	68, 76
Cape Henry, Va	5	78, 88
Cape Lookout, N. C	5	90
Cape Malabar, Indian River, Fla	6	110
Cape May, N. J	4	66, 76
Cape Neddick, Me	1	26
Cape Poge, Nantucket Sound, Mass	2	36
Cape Romain, S. C	6	96
Cape San Blas, Fla	7	120
Cape St. George, Fla	7	120
Carysfort Reef, Fla	7	112
Castle Hill, Narragansett Bay, R. I	3	40
Castle Pinckney Pierhead, Charleston Harbor, S. C	6	98
Cat Island, Mississippi Sound, Miss	8	124
Catskill (West Flat), Hudson River, N. Y	3	62
Cedar Creek, St. Johns River, Fla	6	104
Cedar Island, Gardiners Bay, N. Y	3	46
Cedar Keys, Fla	7	120
Cedar Point, Chesapeake Bay, Md	5	86
Cedar Point, Lower, Potomac River, Md	5	84
Cedar Point, Upper, Potomac River, Md	5	84
Chandeleur, La	8	124

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Name.	Light-house district.	Page.
Chapel Hill Beacon, New York Bay, N. J	3	58
Charleston, S. C	6	96
Charlotte Harbor, Fla	7	118
Chatham, Mass	2	32
Chefuncte River, Lake Pontchartrain, La	8	124
Cherry Island Flats Range, Delaware River, Del	4	74
Cherrystone, Chesapeake Bay, Va	5	80
Chester Rock, Connecticut River, Conn	3	48
Chicot Pass, Grand Lake, La	8	128
Choctaw Pass Channel and Dog River Bar Ranges, Mobile Bay, Ala	8	122
Choptank River, Chesapeake Bay Md	5	86
Christiana Beacon, Delaware River, Del	4	74
Christiana, Delaware River, Del	4	74
Clark Point, Buzzards Bay, Mass	2	38
Clay Bank Range, Connecticut River, Conn	3	50
Cleveland, Indian River, Fla	6	110
Coanjock Bay Beacon, Currituck Sound, N. C	5	90
Cob Point Bar, Potomac River, Md	5	84
Cockspur Island, Savannah River, Ga	6	100
Coeyman Bar, Hudson River, N. Y	3	64
Cohansey, Delaware Bay, N. J	4	72
Cold Spring Harbor, Long Island Sound, N. Y	3	52
Colt Pier Range, Connecticut River, Conn	3	50
Commodore Point Shoal, St. Johns River, Fla	6	104
Comstock Wharf, Thames River, Conn	3	44
Conanicut Island, Narragansett Bay, R. I	3	40
Conch Bar, Indian River, Fla	6	112
Coney Island, New York Bay, N. Y	3	60
Conimicut, Narragansett Bay, R. I	3	42
Conover Beacon, New York Bay, N. J	3	58
Con Hook, Hudson River, N. Y	3	62
Corner Stake, Newark Bay, N. J	3	60
Cornfield Point Light-Vessel, No. 51, Long Island Sound, Conn	3	50
Cove Point, Chesapeake Bay, Md	5	86
Covells Folly, Hudson River, N. Y	3	64
Cow Island, Hudson River, N. Y	3	64
Cow Point, Thames River, Conn	3	44
Coxsackie East Flats, Hudson River, N. Y	3	64
Coxsackie, Hudson River, N. Y	3	64
Crabtree Ledge, Frenchman Bay, Me	1	20
Craighill Channel Range, Chesapeake Bay, Md	5	88
Craney Island, Elizabeth River, Va	5	78
Crawford Point, Indian River, Fla	6	110
Crescent Lake, St. Johns River, Fla	6	106
Croatan, Albemarle Sound, N. C	5	92
Crooked River, Fla	7	120
Cross Ledge, Delaware Bay, N. J	4	70
Cross-Over, Hudson River, N. Y	3	64
Cross Rip Light Vessel, No. 5, Nantucket Sound, Mass	2	34
Cubits Gap, Mississippi River, La	8	126
Cubits Gap Fog-Signal Station, Mississippi River, La	8	126
Cuckolds Fog-Signal Station, Me	1	24
Currituck Beach, N. C	5	90
Currituck Sound Beacons, N. C	5	90
Cutoff Channel Range, Patapsco River, Md	5	88
Cuttyhunk, Buzzards Bay, Mass	2	38
Cuyler Dike, Hudson River, N. Y	3	64
Cypress Island, Grand Lake, La	8	128
Dame Point Dredged Cut, St. Johns River, Fla	6	102
Dancey Flat, St. Johns River, Fla	6	106
Dancey Point, St. Johns River, Fla	6	106
Danskammer Point, Hudson River, N. Y	3	62
Daufuskie Island Range, S. C	6	98
Deep River, Connecticut River, Conn	3	48
Deep Water Point Range, Delaware River, N. J	4	72
Deep-Water Shoals, James River, Va	5	80
Deer Island, Boston Harbor, Mass	2	30
Deer Island Thoroughfare, East Penobscot Bay, Me	1	20
Delaware Breakwater (E. end), Del	4	68
Delaware Breakwater Range, Del	4	68
Derby Wharf, Salem Harbor, Mass	2	28
Devils Elbow, St. Johns River, Fla	6	106
Devils Point, Pensacola Bay, Fla	7	120
Devils Wharf, Connecticut River, Conn	3	48
Dice Head, Penobscot Bay, Me	1	22
Dividend Bar Range, Connecticut River, Conn	3	48
Dog River Bar and Choctaw Pass Channel Ranges, Mobile Bay, Ala	8	122
Dog River Bar Beacon, Mobile Bay, Ala	8	122
Drummond Creek, St. Johns River, Fla	6	104
Drum Point, Chesapeake Bay, Md	5	86
Dry Tortugas, Fla	7	118
Dumpling Rock, Buzzards Bay, Mass	2	38
Dunn Creek, St. Johns River, Fla	6	104
Dunn Creek (lower), St. Johns River, Fla	6	104
Dutch Gap Cutoff, James River, Va	5	80
Dutch Island, Narragansett Bay, R. I	3	40
Duxbury Pier, Cape Cod Bay, Mass	2	30
Eagle Island, East Penobscot Bay, Me	1	20
East Chop, Vineyard Sound, Mass	2	36
East Haddam Meadows, Connecticut River, Conn	3	48
East Pascagoula River, Mississippi Sound, Miss	8	122
Eastern Point, Mass	2	28
Eatons Neck, Long Island Sound, N. Y	3	52
Eau Gallie, Indian River, Fla	6	110
Eddy Rock, Connecticut River, Conn	3	48
Edenton Harbor Range, Albemarle Sound, N. C	5	92
Edgartown, Vineyard Sound, Mass	2	36
Edgewater Grove, St. Johns River, Fla	6	106
Egg Island, Delaware Bay, N. J	4	70
Egg Rock, Me	1	20
Egg Rock, Mass	2	28
Egmont Key, Fla	7	118
Elba Island Range, Savannah River, Ga	6	100
Elbow Beacon, Newark Bay, N. J	3	60
Elm Tree Beacon, Staten Island, N. Y	3	58
Escribano Point, Pensacola Bay, Fla	7	120
Esopus Island, Hudson River, N. Y	3	62
Esopus Meadows, Hudson River, N. Y	3	62
Essex Reef, Connecticut River, Conn	3	46
Execution Rocks, Long Island Sound, N. Y	3	54
Fairhaven Bridge, Buzzards Bay, Mass	2	38
Falkner Island, Long Island Sound, Conn	3	50
Federal Point, St. Johns River, Fla	6	106
Fenwick Island, Del	4	76
Fenwick Island Shoal Light-Vessel, No. 52, Md	4	76
Fig Island Range, Savannah River, Ga	6	100
Finns Point Range, Delaware River, N. J	4	72
Fire Island, N. Y	3	56
First Western Jetty, Cape Fear River, N. C	6	96
Fisherman Point, Indian River, Fla	6	110
Fishers Point Range, Delaware River, N. J	4	76
Fishing Battery, Chesapeake Bay, Md	5	88
Five-Fathom Bank, Northeast End Light-Vessel, No. 44, N. J	4	66
Five-Fathom Bank Light-Vessel, No. 40, N. J	4	66
Five-Hook Island, Hudson River, N. Y	3	64
Flushing Bay, East River, N. Y	3	54
Forrester Point, St. Johns River, Fla	6	106
Fort Adams Fog-Signal Station, Narragansett Bay, R. I	3	40
Fort Barrancas Range, Pensacola Bay, Fla	7	120
Fort Carroll, Patapsco River, Md	5	88
Fort Gates, St. Johns River Fla	6	108
Fort Jackson Range, Savannah River, Ga	6	100
Fort Lafayette Fog-Signal Station, New York Bay, N. Y	3	60
Fort McRae Range, Pensacola Bay, Fla	7	120
Fort Mifflin Bar Cut Range, Delaware River, N. J	4	74
Fort Mifflin Fog-Signal Station, Delaware River, Pa	4	74
Fort Pickering, Salem Harbor, Mass	2	28
Fort Point, Penobscot Bay, Me	1	22
Fort Point, Tex	8	130
Fort Ripley Shoal (Middle Ground), Charleston Harbor, S. C	6	98
Fort Sumter, Charleston Harbor, S. C	6	98
Fort Tompkins, New York Bay, N. Y	3	60
Fort Washington, Potomac River, Md	5	84
Four-Mile Point, Hudson River, N. Y	3	62
Fourteen-Foot Bank, Delaware Bay, Del	4	70
Fourth Eastern Jetty, Cape Fear River, N. C	6	96
Fowey Rocks, Fla	7	112
Franklin Island, Me	1	22
Frying-Pan Shoals Light-Vessel, No. 53, N. C	6	94
Fuller Rock, Providence River, R. I	3	42
Galveston Light-Vessel, No. 28, Tex	8	128
Gardiners Island, Gardiners Bay, N. Y	3	46
Garfield, Indian River, Fla	6	110
Gasparilla Island Range, entrance to Charlotte Harbor, Fla	7	118
Gay Head, Mass	2	34, 36
Gedney Channel Electric Buoys, entrance to New York Lower Bay	3	56
Georgetown, S. C	6	96
Georgetown, St. Johns River, Fla	6	108
Goat Island, Me	1	26
Goat Island (Newport Harbor), Narragansett Bay, R. I	3	40
Goose Rocks, Fox Island Thoroughfare, Me	1	20
Gould Island, Narragansett Bay, R. I	3	40
Governors Island, New York Bay, N. Y	3	60
Grant Farm, Indian River, Fla	6	110

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Name.	Light-house district.	Page.
Grassy Point, St. Johns River, Fla	6	104
Grassy Point Middle Ground, St. Johns River, Fla	6	104
Grassy Point Middle Ground (lower end), St. Johns River, Fla	6	104
Great Beds, Raritan Bay, N. Y. and N. J	3	60
Great Captain Island, Long Island Sound, N. Y	3	54
Great Duck Island, Me	1	20
Great Point (Nantucket), Nantucket Sound, Mass	2	34
Great Round Shoal Light-Vessel, No. 42, Mass	2	32
Great Shoals, Monie Bay, Md	5	86
Great Marsh Island Shoal, St. Johns River, Fla	6	102
Great Wicomico River, Chesapeake Bay, Va	5	84
Greenbury Point Shoal, Chesapeake Bay, Md	5	86
Green Cove Springs, St. Johns River, Fla	6	104
Green Flats, Hudson River, N. Y	3	62
Grindel Point, Penobscot Bay, Me	1	22
Gull Rocks, Narragansett Bay, R. I	3	40
Gull Shoal, Pamlico Sound, N. C	5	92
Gurnet (Plymouth), Cape Cod Bay, Mass	2	30
Haddam Island Range, Connecticut River, Conn	3	48
Halfmoon Shoal, Galveston Bay, Tex	8	130
Halfway Rock, Casco Bay, Me	1	24
Handkerchief Light-Vessel, No. 4, Nantucket Sound, Mass	2	32
Harbor Island Bar, Pamlico Sound, N. C	5	92
Harris Bayou, Mississippi River, La	8	126
Hatteras Inlet, Pamlico Sound, N. C	5	92
Havre de Grace, Chesapeake Bay, Md	5	88
Hawkins Point, Patapsco River, Md	5	88
Head of the Passes, La	8	126
Head of the Passes East Jetty, La	8	126
Head of the Passes West Jetty, La	8	126
Hell Gate, East River, N. Y	3	54
Hell Gate, Indian River, Fla	6	112
Hen and Chickens Light-Vessel, No. 2, Mass	2	36
Hendricks Head, Me	1	24
Hereford Inlet, N. J	4	66
Heron Neck, East Penobscot Bay, Me	1	20
Hibernia, St. Johns River, Fla	6	104
Hilton Head Range, S. C	6	98
Hog Island Shoal Light-Vessel, No. 12, Narragansett Bay, R. I	3	40
Hog Island, Va	5	78
Holland Island Bar, Chesapeake Bay, Md	5	86
Hook Beacon, Sandy Hook, N. J	3	56
Hooper Strait, Chesapeake Bay, Md	5	86
Horn Island, Miss	8	122
Horse Landing, St. Johns River, Fla	6	106
Horseshoe Ranges, Delaware River, Pa	4	74
Horseshoe, St. Johns River, Fla	6	106
Horton Point, Long Island Sound, N. Y	3	50
Hospital Point, Cape Fear River, N. C	6	96
Hospital Point, Salem Harbor, Mass	2	28
Houston, Indian River, Fla	6	110
Hudson City, Hudson River, N. Y	3	62
Hunting Island, S. C	6	98
Hyannis Range, Nantucket Sound, Mass	2	34
Ice House, Thames River, Conn	3	44
Indian Hill, Tampa Bay, Fla	7	120
Indian Hill, Thames River, Conn	3	46
Indian Island, Penobscot Bay, Me	1	22
Indian River Narrows, Indian River, Fla	6	110
Iona Island, Hudson River, N. Y	3	62
Ipswich, Mass	2	26
Irontown, Mississippi River, La	8	126
Isles of Shoals N. H	1	26
Janes Island, Tangier Sound, Md	5	82
Jeffreys Hook, Hudson River, N. Y	3	60
Jones Island, Savannah River, S. C	6	100
Jones Point, Indian River, Fla	6	110
Jones Point, Potomac River, Va	5	84
Jordan Point, James River, Va	5	80
Joshua Rocks Connecticut River, Conn	3	48
Jupiter Inlet, Fla	6	112
Key West, Fla	7	116
Killick Shoal, Va	4	78
Kinkora, Delaware River, N. J	4	76
Lake Beresford, St. Johns River, Fla	6	108
Lake Borgne, Mississippi Sound, Miss	8	124
Lake Chicot, La	8	128
Lake Dexter, St. Johns River, Fla	6	108
Lake Monroe, St. Johns River, Fla	6	108
Lamphere Dock (Narrow Channel), Hudson River, N. Y	3	64
Lancaster Point, St. Johns River, Fla	6	104
Latimer Reef, Fishers Island Sound, N. Y	3	44
Laurel Point, Albemarle Sound, N. C	5	92
Lawrence Point Ledge, East River, N. Y	3	54
Lazaretto Point, Patapsco River, Md	5	88
Leading Point, Patapsco River, Md	5	88
Libby Islands, Me	1	18
Liberty Enlightening the World, New York Bay, N. Y	3	60
Lilliput, Cape Fear River, N. C	6	96
Lime Rock, Narragansett Bay, R. I	3	40
Little Cumberland Island, Ga	6	102
Little Gull Island, Long Island Sound, N. Y	3	46
Little Marsh Island, St. Johns River, Fla	6	102
Little Marsh Island Channel Range, St. Johns River, Fla	6	102
Little River, Me	1	18
Livingston Creek, Hudson River, N. Y	3	62
Lloyd Harbor, Long Island Sound, N. Y	3	52
Long Beach Bar, Gardiners Bay, N. Y	3	46
Long Island East Beacon, Savannah River, Ga	6	100
Long Island Head, Boston Harbor, Mass	2	30
Long Point, Cape Cod Bay, Mass	2	30
Long Point (Beacon Light No. 8), Currituck Sound, N. C	5	90
Long Reach, Thames River, Conn	3	44
Long Shoal, Pamlico Sound, N. C	5	92
Long Shoal, Tampa Bay, Fla	7	120
Love Point, Chesapeake Bay, Md	5	88
Lower Cedar Point, Potomac River, Md	5	84
Lower Coal Dock, Thames River, Conn	3	46
Lower Palatka, St. Johns River, Fla	6	106
Lower Quarantine Shoal, St. Johns River, Fla	6	102
Lower Swash Channel, Cape Fear River, N. C	6	94
Lubec Channel, Me	1	18
Ludlam Beach, N. J	4	66
Lynde Point (Saybrook), Connecticut River, Conn	3	46
Mackey Point, Savannah River, Ga	6	100
Magnolia Point, Indian River, Fla	6	110
Magnolia Point, St. Johns River, Fla	6	104
Mahon River, Delaware Bay, Del	4	70
Main Channel Range, New York Bay, N. Y	3	58
Manana Island Fog-Signal Station, Me	1	22
Mangrove Point Beacon, Charlotte Harbor, Fla	7	118
Man-o-War Rock, East River, N. Y	3	54
Marblehead, Mass	2	28
Marshall Point, Me	1	22
Martins Industry Light-Vessel, No. 1, S. C	6	98
Maryland Point, Potomac River, Md	5	84
Matagorda, Tex	8	130
Mathias Point Shoal, Potomac River, Va	5	84
Matinicus Rock, Me	1	20
Maurice River, Delaware Bay, N. J	4	70
Mayo Beach, Cape Cod Bay, Mass	2	32
McCall Flat, Mississippi River, La	8	126
McWilliams Point Shoal, Pamlico River, N. C	5	94
Meadows, Connecticut River, Conn	3	48
Merrill Shell Bank, Mississippi Sound, Miss	8	124
Micco, Indian River, Fla	6	110
Middle Ground (Fort Ripley Shoal), Charleston Harbor, S. C	6	98
Middle Ground (Stratford Shoal), Long Island Sound, N. Y	3	52
Middle Ground, Tampa Bay, Fla	7	120
Minots Ledge, Boston Bay, Mass	2	30
Mispillion Creek, Delaware Bay, Del	4	68
Mobile Bay, Ala	8	122
Mobile Point, Ala	8	122
Mobile Point Beacon, Ala	8	122
Mohegan Dike, Thames River, Conn	3	46
Monhegan Island, Me	1	22
Monomoy Point, Mass	2	32
Montauk Point, N. Y	3	44, 54
Moosabec Reach, Me	1	18
Moose Peak, Me	1	18
Morgan Point, Fishers Island Sound, Conn	3	44
Morris Island North Range, S. C	6	96
Morris Island South Range, S. C	6	96
Mosquito Inlet, Fla	6	108
Mount Desert, Me	1	18
Mount Royal, St. Johns River, Fla	6	108
Mouse Island (lower), Connecticut River, Conn	3	48
Mouse Island (upper), Connecticut River, Conn	3	48
Mud Lake Point, St. Johns River, Fla	6	108
Mull Dike, Hudson River, N. Y	3	64
Mullet Key Shoal, Tampa Bay, Fla	7	120
Murphy Island, St. Johns River, Fla	6	106
Murphy Island South, St. Johns River, Fla	6	106
Muscle Bed Shoals, Narragansett Bay, R. I	3	40
Nansemond River, Va	5	80
Nantucket Cliff Range, Nantucket Sound, Mass	2	34
Nantucket (Great Point), Nantucket Sound, Mass	2	34
Nantucket New South Shoal Light-Vessel, No. 54, Mass	2	34
Narraguagus, Me	1	18

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Name.	Light-house district.	Page.
Narrow Channel (Lamphere Dock), Hudson River, N. Y.	3	64
Narrows, Boston Harbor, Mass	2	30
Nash Island, Me	1	18
Nashua, St. Johns River, Fla	6	106
Naubuc Range, Connecticut River, Conn	3	50
Nauset Beach, Mass	2	32
Naval Hospital, Elizabeth River, Va	5	78
Navesink, N. J	3	56 66
Ned Point, Buzzards Bay, Mass	2	38
Negro Island, Penobscot Bay, Me	1	22
Neuse River, Pamlico Sound, N. C	5	94
New Baltimore Dike, Hudson River, N. Y	3	64
New Baltimore, Hudson River, N. Y	3	64
Newburyport Harbor, Mass	2	26
Newburyport Upper Harbor Range, Mass	2	26
New Canal, Lake Pontchartrain, La	8	124
New Castle (Portsmouth Harbor), N. H	1	26
New Castle Range, Delaware River, Del	4	72
New Channel Range, Cape Fear River, N. C	6	94
New Dorp Beacon, Staten Island, N. Y	3	58
New Haven Long Wharf, Conn	3	52
New London Harbor, Long Island Sound, Conn	3	44
New Point Comfort, Chesapeake Bay, Va	5	82
Newport Harbor (Goat Island), Narragansett Bay, R. I	3	40
Newport News Middle Ground, Hampton Roads, Va	5	80
Nine-Mile Flat, St. Johns River, Fla	6	106
Nine-Mile Point, St. Johns River, Fla	6	106
Nine-Mile Tree, Hudson River, N. Y	3	64
Nobska Point, Vineyard Sound, Mass	2	36
North Brother Island, East River, N. Y	3	54
North Cut, Tampa Bay, Fla	7	120
North Dumpling, Fishers Island Sound, N. Y	3	44
Northeast End of Five-Fathom Bank Light-Vessel, No. 44, N. J	4	66
North End of Lake George, St. Johns River, Fla	6	108
North Landing River Beacons, Va	5	90
North Narrows, Indian River, Fla	6	110
North River, Albemarle Sound, N. C	5	92
North River Bar Range, Albemarle Sound, N. C	5	90
North River Beacons, N. C	5	90
Northwest Passage, Key West, Fla	7	116
Northwest Point Royal Shoal, Pamlico Sound, N. C	5	92
Norwalk, St. Johns River, Fla	6	108
Norwalk Islands, Long Island Sound, Conn	3	52
Norwalk Point Shoal, St. Johns River, Fla	6	108
Oak Island Range, N. C	6	94
Ocklawaha, St. Johns River, Fla	6	106
Ocracoke, Pamlico Sound, N. C	5	90, 92
Old Brunswick, Cape Fear River, N. C	6	96
Old Field Point, Long Island Sound, N. Y	3	52
Old Field Point, St. Johns River, Fla	6	104
Old Orchard Shoal, New York Bay, N. Y	3	58
Old Plantation Flats, Chesapeake Bay, Va	5	80
Old Point Comfort, Chesapeake Bay, Va	5	78
Old Town Point Wharf, Elk River, Md	5	88
Orange Bluff, St. Johns River, Fla	6	108
Orange Bluff Shoal, St. Johns River, Fla	6	108
Orange Park, St. Johns River, Fla	6	104
Orange Point, St. Johns River, Fla	6	106
Orange Point Shoal, St. Johns River, Fla	6	108
Orchid, Indian River, Fla	6	110
Orton Point, Cape Fear River, N. C	6	96
Outer Diamond Shoals, N. C	5	90
Owls Head, Me	1	22
Oyster Beds, Savannah River, Ga	6	100
Padre Island (Brazos Santiago), Tex	8	130
Pages Rock, York River, Va	5	82
Palmer Island, Buzzards Bay, Mass	2	38
Pamlico Point, Pamlico Sound, N. C	5	94
Paper Rock, Connecticut River, Conn	3	48
Paris Island Range, S. C	6	98
Pascagoula River (East), Mississippi Sound, Miss	8	122
Pascagoula River Range, Mississippi Sound, Miss	8	122
Passaic, Newark Bay, N. J	3	60
Pass à Loutre, La	8	126
Pass Manchac, Lake Pontchartrain, La	8	124
Peace Creek Beacon, Charlotte Harbor, Fla	7	118
Pearl River, Mississippi Sound, Miss	8	124
Peck Lake, North, Indian River, Fla	6	110
Peck Lake, South, Indian River, Fla	6	110
Pemaquid Point, Me	1	22
Penfield Reef, Long Island Sound, Conn	3	52
Penn Manor, Delaware River, Pa	4	76
Pensacola, Fla	7	120
Pereke Rock, Thames River, Conn	3	46
Percy Reach, Hudson River, N. Y	3	62
Petit Manan, Me	1	18
Petty Bank, St. Johns River, Fla	6	104
Philips Point, St. Johns River, Fla	6	104
Picolata Flat, St. Johns River, Fla	6	106
Piney Point, Potomac River, Md	5	84
Piney Point, St. Johns River, Fla	6	104
Pistol Point Range, Connecticut River, Conn	3	48
Pleasure Island, Hudson River, N. Y	3	64
Plum Island, Gardiners Bay, N. Y	3	46
Plymouth (Gurnet), Cape Cod Bay, Mass	2	30
Point Comfort Beacon, New York Bay, N. J	3	58
Pointe à la Hache, Mississippi River, La	8	126
Pointe aux Herbes, Lake Pontchartrain, La	8	124
Point Isabel, Tex	8	130
Point Judith, R. I	3	42
Point Lookout, Potomac River, Md	5	84
Point of Shoals, James River, Va	5	80
Pollock Rip Light-Vessel, No. 47, Mass	2	32
Pomham Rocks, Providence River, R. I	3	42
Pond Island, Me	1	24
Pooles Island, Chesapeake Bay, Md	5	88
Popo Point, St. Johns River, Fla	6	104
Portland Breakwater, Casco Bay, Me	1	24
Portland Head, Casco Bay, Me	1	24
Port Penn Range, Delaware River, Del	4	72
Port Pontchartrain, Lake Pontchartrain, La	8	124
Portsmouth Harbor (New Castle), N. H	1	26
Poverty Point, Mississippi River, La	8	126
Poydras Hall, Mississippi River, La	8	126
Press Barn Bar Range, Connecticut River, Conn	3	50
Pride Pier, Thames River, Conn	3	46
Priming Hook, Hudson River, N. Y	3	62
Princess Bay, Raritan Bay, N. Y	3	58
Prospect Harbor, Me	1	18
Prudence Island, Narragansett Bay, R. I	3	40
Pumpkin Island, East Penobscot Bay, Me	1	20
Race Point, Cape Cod Bay, Mass	2	30
Race Rock, Long Island Sound, N. Y	3	46
Racy Point, St. Johns River, Fla	6	108
Ragged Point, St. Johns River, Fla	6	104
Ram Island, Me	1	22
Ram Island Reef Light-Vessel, No. 19, Fishers Island Sound, N. Y	3	44
Randall Wharf, Back Creek, Md	5	88
Rattlesnake Shoal Light-Vessel, No. 29, S. C	6	96
Rawlestown, St. Johns River, Fla	6	106
Rebecca Shoal, Fla	7	116
Red Fish Bar, Galveston Bay, Tex	8	130
Reedy Island, Delaware River, Del	4	72
Reeves Point Channel Range, Cape Fear River, N. C	6	94
Rikers Island, East River, N. Y	3	54
Riverton, Delaware River, N. J	4	76
Roanoke Marshes, N. C	5	92
Roanoke River, Albemarle Sound, N. C	5	92
Robbins Reef, New York Bay, N. Y. and N. J	3	60
Rockland Breakwater, Penobscot Bay, Me	1	22
Rockland Lake, Hudson River, N. Y	3	60
Rock Landing, Connecticut River, Conn	3	48
Roha Hook, Hudson River, N. Y	3	64
Romer Shoal, New York Bay, N. Y	3	58
Rondout North Dike, Hudson River, N. Y	3	62
Rondout South Dike, Hudson River, N. Y	3	62
Rondout, Hudson River, N. Y	3	62
Rose Creek, St. Johns River, Fla	6	106
Rose Island, Narragansett Bay, R. I	3	40
Round Island, Mississippi Sound, Miss	8	122
Royal Shoal, Northwest Point, Pamlico Sound, N. C	5	92
Royal Shoal, Southwest Point, Pamlico Sound, N. C	5	92
Sabine Pass, La	8	128
Sabine Point, Providence River, R. I	3	42
Saddleback Ledge, East Penobscot Bay, Me	1	20
Sakonnet, R. I	3	38
Salisbury Beach Range, entrance to Merrimack River, Mass	2	26
Sampit River, S. C	6	98
Sand Island, Ala	8	122
Sand Key, Fla	7	114
Sand Pier, Thames River, Conn	3	46
Sand Point, Indian River, Fla	6	110
Sand Spit, Hudson River, N. Y	3	64
Sands Point, Long Island Sound, N. Y	3	54
Sandy Hook Fog Bell, entrance to New York Bay, N. J	3	58
Sandy Hook Light-Vessel, No. 48, entrance to New York Bay	3	56
Sandy Hook, N. J	3	56
Sandy Hook, Hook Beacon, N. J	3	56

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Name.	Light-house district.	Page.
Sandy Hook, South Beacon, N. J	3	56
Sandy Neck, Cape Cod Bay, Mass	2	32
Sandy Point, Chesapeake Bay, Md	5	86
Sanibel Island, Fla	7	118
Sankaty Head, Mass	2	34
San Mateo, St. Johns River, Fla	6	106
San Patricio Point, St. Johns River, Fla	6	104
Sapelo, Ga	6	100
Sassafras Point, Providence River, R. I	3	42
Saugerties, Hudson River, N. Y	3	62
Saybrook (Lynde Point), Connecticut River, Conn	3	46
Saybrook Breakwater, Long Island Sound, Conn	3	46
Schodack Channel, Hudson River, N. Y	3	64
Schooner Ledge Range, Delaware River, Pa	4	74
Schuylkill River Range, Pa	4	76
Scituate Breakwater, Mass	2	30
Scotch Cap, Thames River, Conn	3	44
Scotland Light-Vessel, No. 7, entrance to New York Bay	3	56
Scovill Rock, Connecticut River, Conn	3	48
Seavys Island, Portsmouth Harbor, Me	1	26
Second Eastern Jetty, Cape Fear River, N. C	6	96
Seguin, Me	1	24
Seven-Foot Knoll, Patapsco River, Md	5	88
Sharkfin Shoal, Chesapeake Bay, Md	5	86
Sharps Island, Chesapeake Bay, Md	5	86
Shaws Island, Grand Lake, La	8	128
Shingle Point, Mississippi River, La	8	126
Shinnecock Bay, N. Y	3	54
Ship Island, Mississippi Sound, Miss	8	124
Ship John Shoal, Delaware Bay, N. J	4	72
Ship Shoal, La	8	128
Shovelful Shoal Light-Vessel, No. 3, Mass	2	32
Siam Dock, Connecticut River, Conn	3	48
Smith Island Range, Cape Fear River, N. C	6	94
Smith Point, Chesapeake Bay, Va	5	84
Snow Marsh Channel Range, Cape Fear River, N. C	6	94
Solomons Lump, Kedge Straits, Md	5	86
Sombrero Key, Fla	7	114
Somers Cove, Little Annemessex River, Md	5	82
South Beacon, Sandy Hook, N. J	3	56
South Brother Island Ledge, East River, N. Y	3	54
South Cut, Tampa Bay, Fla	7	120
South Jetty, No. 3, Raritan River, N. J	3	60
South Narrows, Indian River, Fla	6	112
South Pass, La	8	126
South Pass Range Beacon, La	8	126
South Pass East Jetty, La	8	126
South Pass West Jetty, La	8	126
Southwest Ledge, Long Island Sound, Conn	3	52
Southwest Pass, La	8	126
Southwest Point Royal Shoal, Pamlico Sound, N. C	5	92
Southwest Reef, Atchafalaya Bay, La	8	128
Southwest Spit Electric Buoy, New York Lower Bay	3	58
Southwest Spit Range, New York Bay, N. Y	3	56
Sow and Pigs (Vineyard Sound) Light-Vessel, No. 41, Mass	2	36
Squan Inlet, N. J	4	66
Staat Point, Hudson River, N. Y	3	64
Stage Harbor, Nantucket Sound, Mass	2	34
Stamford Harbor, Long Island Sound, Conn	3	52
Stepping Stones, Long Island Sound, N. Y	3	54
Stingray Point, Chesapeake Bay, Va	5	82
Stoddards Old Dock, Thames River, Conn	3	44
Stonington Breakwater, Long Island Sound, Conn	3	44
Stony Point, Hudson River, N. Y	3	60
Straitsmouth, Mass	2	28
Stratford Point, Long Island Sound, Conn	3	52
Stratford Shoal (Middle Ground), Long Island Sound, N. Y	3	52
St. Augustine, Fla	6	108
St. Catherines Sound, Ga	6	100
St. Croix River, Me	1	18
St. Johns River, Fla	6	102
St. Lucie, Indian River, Fla	6	110
St. Marks, Fla	7	120
St. Philips Church, Charleston Harbor, S. C	6	98
St. Simon, Ga	6	102
Stuyvesant, Hudson River, N. Y	3	64
Suarrez Point, St. Johns River, Fla	6	104
Succonnesset Shoal Light-Vessel, No. 6, Nantucket Sound, Mass	2	36
Sullivans Island Cove Pierhead, Charleston Harbor, S. C	6	98
Sullivans Island East Range, Charles on Harbor, S. C	6	96
Sullivans Island West Range, Charleston Harbor, S. C	6	96
Sunken Meadow, East River, N. Y	3	54
Swash Channel Range, Charleston Harbor, S. C	6	98
Swash Channel Range, New York Bay, N. Y	[illegible]	[illegible]
Switzerland Point, St. Johns River, Fla	6	104
Tahiti, Indian River, Fla	6	112
Tangier Sound, Chesapeake Bay, Va	5	82
Tarpaulin Cove, Vineyard Sound, Mass	2	36
Tarrytown, Hudson River, N. Y	[illegible]	[illegible]
Taylor Creek, Indian River, Fla	6	110
Tennant Harbor, Me	1	22
Tenpound Island, Mass	2	28
Thimble Shoal, Chesapeake Bay, Va	5	78
Third Western Jetty, Cape Fear River, N. C	6	96
Thomas Point Shoal, Chesapeake Bay, Md	5	86
Throgs Neck, Long Island Sound, N. Y	3	54
Tiger Island North Range, Fernandina Harbor, Fla	6	102
Tiger Island South Range, Fernandina Harbor, Fla	6	102
Timbalier, La	8	128
Tinicum Island Range, Delaware River, N. J	4	74
Tocoi, St. Johns River, Fla	6	104
Torresdale, Delaware River, Pa	4	76
Tortugas Harbor, Fla	7	120
Trinity Shoal Light-Vessel, No. 43, La	8	128
Trout Creek, St. Johns River, Fla	6	104
Tucker Beach, N. J	4	70
Tue Marshes, York River, Va	5	82
Turkey Point, Chesapeake Bay, Md	5	86
Turning Point, Lake Chicot, La	8	128
Twelvemile Point, Mississippi River, La	8	126
Two Piers Channel Range, Connecticut River, Conn	3	50
Tybee, entrance to Sayannah River, Ga	6	98
Tybee Knoll Cut Range, Savannah River, Ga	6	100
Upper Cedar Point, Potomac River, Md	5	84
Upper Coal Beds, Hudson River, N. Y	3	62
Upper Drum Shoal, Cape Fear River, N. C	6	94
Upper Palatka, St. Johns River, Fla	6	106
Van Wies Point, Hudson River, N. Y	3	64
Venus Point Range, Savannah River, S. C	6	100
Vineyard Sound (Sow and Pigs) Light-Vessel, No. 41, Mass	2	36
Volusia Bar, St. Johns River, Fla	6	106
Volusia Bar Range, St. Johns River, Fla	6	106
Volusia Point Shoal, St. Johns River, Fla	6	106
Volusia South, St. Johns River, Fla	6	106
Waackaack, New York Bay, N. J	3	58
Wade Point, Albemarle Sound, N. C	5	90
Waldens Island, Thames River, Conn	3	44
Wamsutta Mill, Buzzards Bay, Mass	2	38
Warwick, Narragansett Bay, R. I	3	42
Watch Hill, R. I	3	42
Watts Island, Chesapeake Bay, Va	5	82
West Chop, Vineyard Sound, Mass	2	36
Western Jetty (lower end), No. 1, Raritan River, N. J	3	60
Western Jetty (upper end), No. 2, Raritan River, N. J	3	60
West Flat (Catskill), Hudson River, N. Y	3	62
West Flats, Hudson River, N. Y	3	62
West Point, Hudson River, N. Y	3	62
West Quoddy Head, Me	1	16
West Rigolets, Lake Pontchartrain, La	8	128
Whaleback, N. H	1	22
Whale Rock, Narragansett Bay, R. I	3	42
Whetstone Point, St. Johns River, Fla	6	104
Whitehead, Me	1	16
White Point, Pensacola Bay, Fla	6	110
White Shoal, James River, Va	5	90
Whitestone Point, East River, N. Y	3	54
Whitlocks Mill, St. Croix River, Me	1	18
Wickford Harbor, Narragansett Bay, R. I	3	40
Windmill Point, Chesapeake Bay, Va	5	82
Wing Dam, No. 4, Savannah River, Ga	6	100
Wing Dam, No. 10, Savannah River, Ga	6	100
Wing Dam, No. 13, Savannah River, Ga	6	100
Wing Dam, No. 25, Savannah River, S. C	6	100
Wing Dam, No. 28, Savannah River, Ga	6	100
Wings Neck, Buzzards Bay, Mass	2	38
Winter Harbor, Me	1	18
Winter-Quarter Shoal Light-Vessel, No. 45, Va	4	78
Wolf Island Range, Ga	6	102
Wolf Trap Shoal Light-Vessel, No. 46, Chesapeake Bay, Va	5	82
Wood End, Cape Cod Bay, Mass	2	30
Wood Island, Me	1	24
Wreck of *Queen of the West*, Grand Lake, La	8	128
York Spit, Chesapeake Bay, Va	5	84

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